

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Pacific Transmission Supply Company

## 3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, Wyo. 82602

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1620' from south line, 1020' from east line *NESK*

At proposed prod. zone

NE 1/4 SE 1/4, Section 5, T10S, R23E, S.L.B.&amp;M. Uintah County,

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

59 miles southeast of Vernal, Utah

Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

1620'

## 16. NO. OF ACRES IN LEASE

1820 (+)

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

8815' *Mesaverde*

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5302' Ungraded ground, 5315' KB estimated

## 22. APPROX. DATE WORK WILL START\*

Upon receipt of approval

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0	200	250 sacks, Circ. to surface
12-1/4"	9-5/8"	36.0	2500	275 sacks
7-7/8"	4-1/2"	11.6	8815	As necessary to protect all productive intervals.

Operator proposes to drill well to approximately 8815' to test the Mesaverde formation. 9-5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Control Specifications. If commercial production is encountered, 4-1/2", 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures of other potential hazards are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. *[Signature]* *[Signature]*  
SIGNED *R. J. Firth* TITLE Petroleum Engineer September 24, 1979

(This space for Federal or State office use)

PERMIT NO. \_\_\_\_\_

APPROVAL DATE \_\_\_\_\_

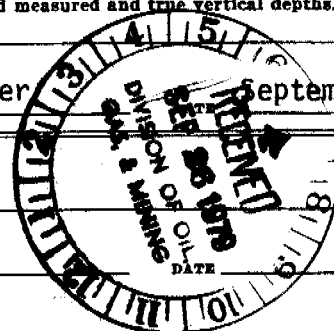
APPROVED BY \_\_\_\_\_

TITLE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

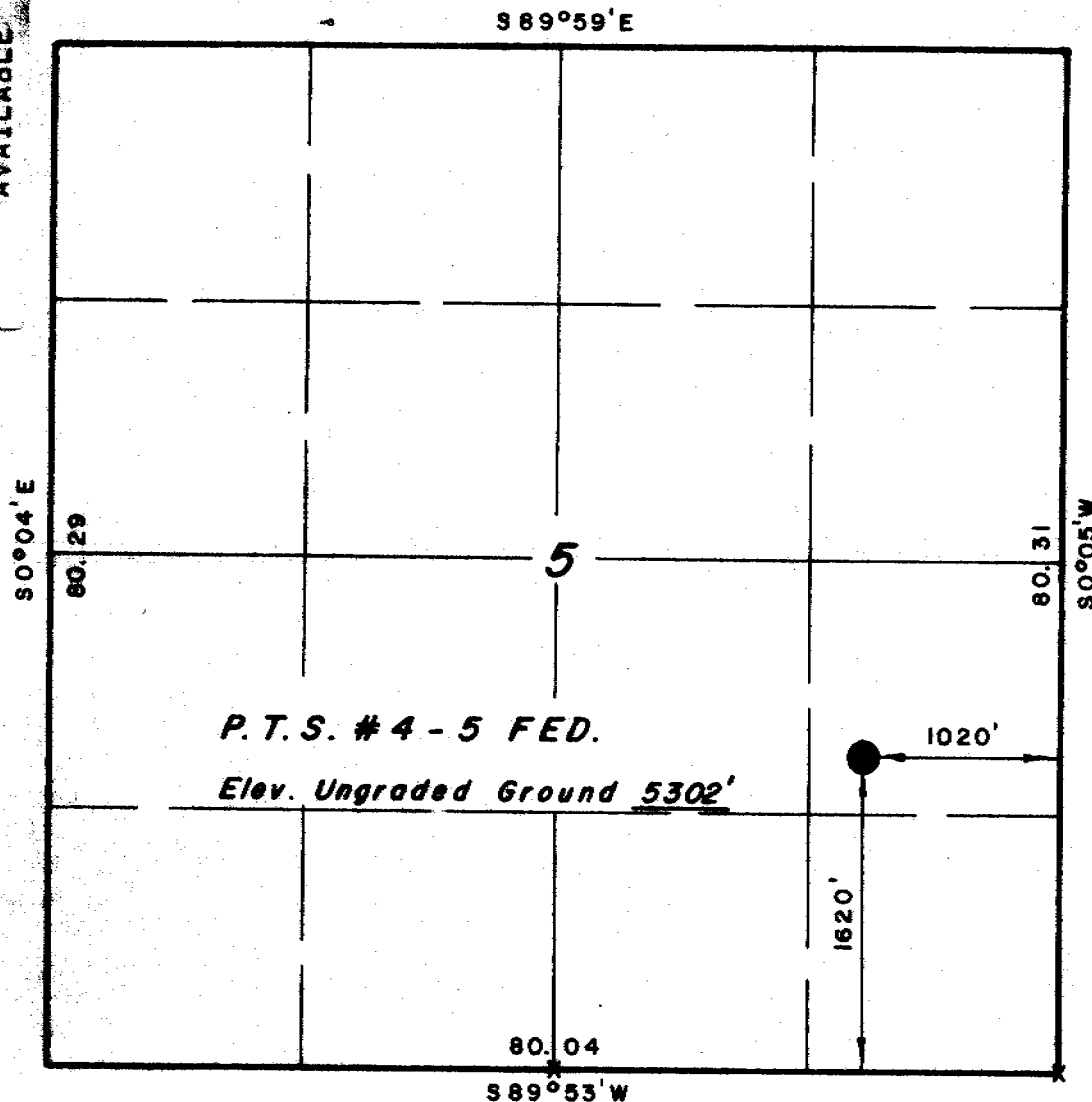
3-USGS, SLC, UT; 1-DIV. 6100, SLC, UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-File

\*See Instructions On Reverse Side



BEST COPY  
AVAILABLE

*T 10 S, R 23 E, S.L.B. & M.*



X = Section Corners Located

PROJECT  
**PACIFIC TRANSMISSION SUPPLY CO.**

Well location, *P.T.S. # 4 - 5 FED.*,  
located as shown in the NE 1/4 SE 1/4  
Section 5, T10 S, R23 E, S.L.B. & M.  
Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM  
FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY  
SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE  
BEST OF MY KNOWLEDGE AND BELIEF.

*Gene Stewart*  
REGISTERED LAND SURVEYOR  
REGISTRATION NO. 3154  
STATE OF UTAH

**UINTAH ENGINEERING & LAND SURVEYING**  
P.O. BOX Q - 110 EAST - FIRST SOUTH  
VERNAL, UTAH - 84078

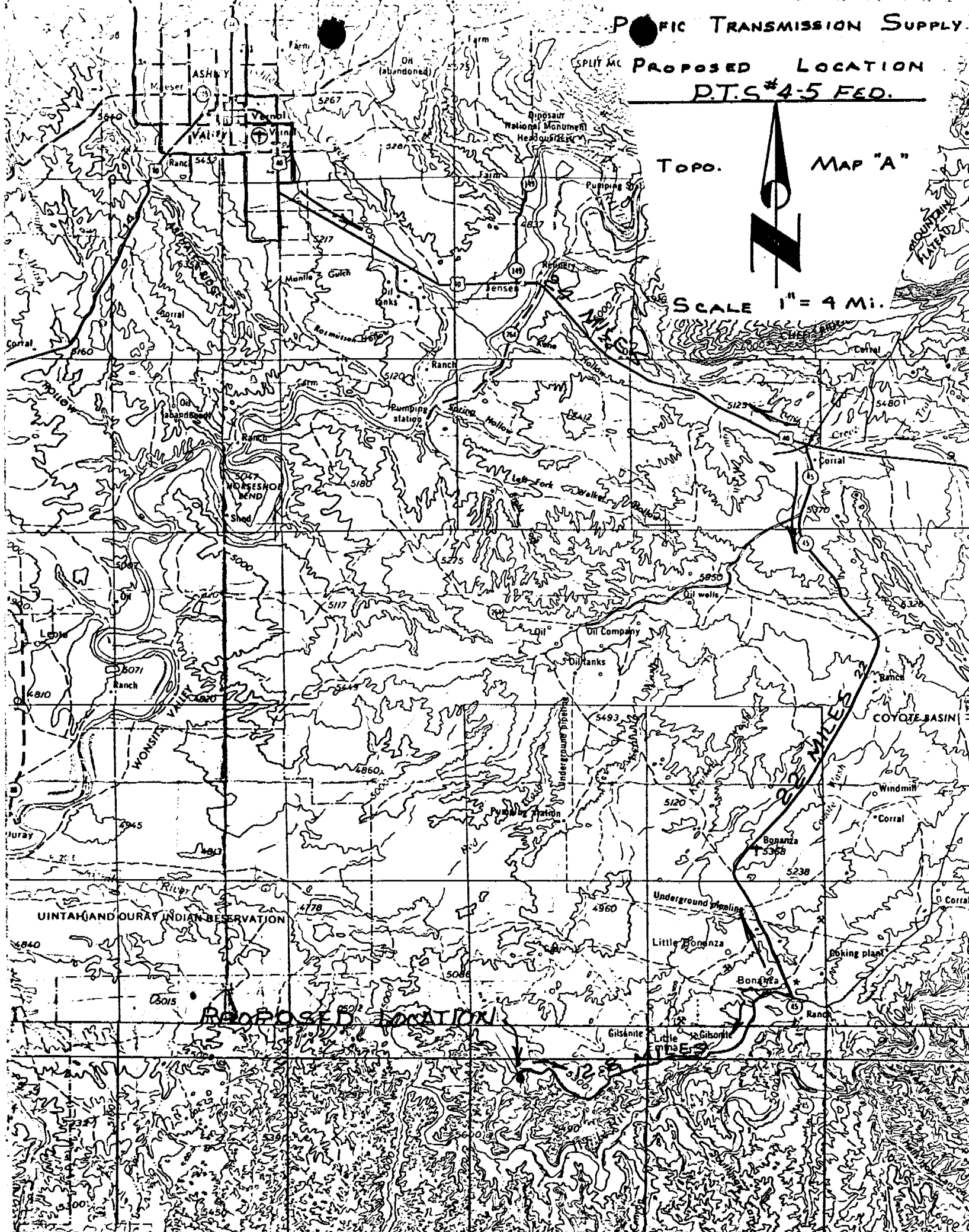
SCALE 1" = 1000'	DATE 9/20/79
PARTY S.S. S.H. S.B.	REFERENCES GLO Plat
WEATHER Fair & Warm	FILE PACIFIC TRANSMISSION

PROPOSED LOCATION  
P.T.S #4-5 FED.

TOPO.

MAP "A"

SCALE 1" = 4 Mi.



UINTAH AND UTAH INDIAN RESERVATION

PROPOSED LOCATION

Underground pipeline

Little Bonanza

Bonanza

Gillette

Little

Gillette

Baking plant

Bonanza

Ranch

Corral

Corral

Corral

Corral

Corral

Corral

Corral

Corral

Corral

Corral

Corral

Oil and Gas Drilling

EA #608-79

United States Department of the Interior  
Geological Survey  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, Utah 84138

Usual Environmental Analysis

Lease No.. U-33433

Operator: Pacific Transmission Supply Company Well No.: 4-5

Location: 1620' FSL & 1020' FEL Sec.: 5 T.: 10S. R.: 23E.

County: Uintah State: Utah Field: Wildcat

Status: Surface Ownership: Public Minerals: Federal

Joint Field Inspection Date: October 18, 1979

Participants and Organizations:

Greg Darlington	USGS-Vernal
Ron Rogers	BLM-Vernal
Ron Dettloffson	Pacific Transmission Supply
Red Case	Ross Construction

Related Environmental Analyses and References:

(1) Unit Resource Analysis, Bonanza Planning Unit, BLM, Vernal.

Analysis Prepared by: Greg Darlington	Reviewed by: George Diwachak
Environmental Scientist	Environmental Scientist
Vernal, Utah	Salt Lake City, Utah

Date: October 22, 1979

Noted - G. Diwachak



Proposed Action:

On September 28, 1979, Pacific Transmission Supply Company filed an Application for Permit to Drill the No. 4-5 exploratory well, an 8815 ft. gas test of the Mesa Verde Formation; located at an elevation of 5302 ft. in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 5, T. 10S., R. 23E. on Federal mineral lands and Public surface; lease No. U-33433. There was no objection raised to the wellsite nor to the access road.

A rotary rig would be used for the drilling. An adequate casing and cementing program is proposed. Fresh-water sands and other mineral-bearing formations would be protected. A Blowout Preventor would be used during the drilling of the well. The proposed pressure rating should be adequate. Details of the operator's NTL-6 10-Point Subsurface Plan are on file in the USGS District Office in Salt Lake City, Utah and the USGS Northern Rocky Mountain Area Office in Casper, Wyoming. The 13-Point Surface Protection Plan is on file in the District Office in Salt Lake City.

A working agreement has been reached with the BLM, the controlling surface agency. Rehabilitation plans would be decided upon as the well neared completion; the Surface Management Agency would be consulted for technical expertise on those arrangements.

The operator proposes to construct a drill pad 160 ft. wide x 300 ft. long and a reserve pit 100 ft x 150 ft. A new access road would be constructed 18 ft. wide x 500 feet long from a maintained road. The operator proposes to construct production facilities on disturbed area of the proposed drill pad.

If production is established, plans for a gas flow line would be submitted to the appropriate agencies for approval. The anticipated starting date is upon approval and duration of drilling activities would be about 30 days. This new access road would be crowned and any needed drainage ditches would also be constructed.

Location and Natural Setting:

The proposed drill site is approximately 59 miles Southeast of Vernal, Utah, the nearest town. A fair road runs to within .1 mile of the location. This well is an exploratory well.

Topography:

The location is surrounded by small ridges and has a sizeable drainage located to the East of it.

Geology:

The surface geology is the Green River formation.

The soil is a sandy clay with shale and sandstone rock and gravels.

No geologic hazards are known near the drillsite.

Seismic risk for the area is moderate. Anticipated geologic tops are filed with the 10Point Subsurface Protection Plan.

A 9 5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydrocarbons shows will be evaluated and reported.

Approval of the proposed action would be conditioned that adequate and sufficient electric/radioactive/density logging surveys would be made to locate and identify any potential mineral resources. Production casing and cementing would be adjusted to assure no influence of the hydrocarbon zones through the well bore on these minerals. In the event the well is abandoned, cement plugs would be placed with drilling fluid in the hole to assure protection of any mineral resources.

The potential for loss of circulation would exist and is possible in the sandstone units of the Mesa Verde. Loss of circulation may result in the lowering of the mud levels, which might permit exposed upper formations to blow out or to cause formation to slough and stick to drill pipe. A loss of circulation would result in contamination due to the introduction of drilling muds, mud chemicals, filler materials, and water deep in to the permeable zone, fissures, fractures, and caverns within the formation in which fluid loss is occurring. The use of special drilling techniques, drilling muds, and lost circulation materials may be effective in controlling lost circulation.

A geologic review of the proposed action has been furnished by the Area Geologist, U.S. Geological Survey, Salt Lake City, Utah.

The operator's drilling, cementing, casing and blowout prevention programs have been reviewed by the Geological Survey engineers and determined to be adequate.

#### Soils:

No detailed soil survey has been made of the project area. The top soils in the area range from a sandy clay to a clay type soil. The soil is subject to runoff from rainfall and has a high runoff potential and sediment production would be high. The soils are mildly to moderately alkaline and support the salt-desert shrub community.

Top soil would be removed from the surface and stockpiled. The soil would be spread over the surface of disturbed areas when abandoned to aid in rehabilitation of the surface. Rehabilitation is necessary to prevent erosion and encroachment of undesired species on the disturbed areas. The operator proposes to rehabilitate the location and access roads per the recommendations of the Bureau of Land Management.

Approximately 1.7 acres of land would be stripped of vegetation. This would increase the erosional potential. Proper construction practice, construction of water bars, reseeding of slope-cut area would minimize this impact.

Air:

No specific data on air quality is available at the proposed location. There would be a minor increase in air pollution due to emissions from rig and support traffic engines. Particulate matter would increase due to dust from travel over unpaved dirt roads. The potential for increased air pollution due to leaks, spills, and fire would be possible.

Relatively heavy traffic would be anticipated during the drilling-operations phase, increasing dust levels and exhaust pollutants in the area. If the well was to be completed for production, traffic would be reduced substantially to a maintenance schedule with a corresponding decrease of dust levels and exhaust pollutants to minor levels. If the project results in a dry hole, all operations and impact from vehicular traffic would cease after abandonment. Due to the limited number of service vehicles and limited time span of their operation, the air quality would not be substantially reduced.

Toxic or noxious gases would not be anticipated.

Precipitation:

Annual rain fall should range from about 8 to 11" at the proposed location. The majority of the numerous drainages in the surrounding area are of a non-perennial nature flowing only during early spring runoff and during extremely heavy rain storms. This type of storm is rather uncommon as the normal annual precipitation is around 8".

Winds are medium and gusty, occurring predominately from West to East. Air mass inversions are rare. The climate is semi-arid with abundant sunshine, hot summers and cold winters with temperature variations on a daily and seasonal basis.

Surface Water Hydrology:

The location drains South through nonperennial drainages to the White River about two miles South of the location. The White River is a tributary of the Green River.

Some additional erosion would be expected in the area since surface vegetation would be removed. If erosion became serious, drainage systems such as water bars and dikes would be installed to minimize the problem. The proposed project should have minor impact on the surface water systems. The potentials for pollution would be present from leaks or spills. The operator is required to report and clean-up all spills or leaks.

Ground Water Hydrology:

Some minor pollution of ground water systems would occur with the introduction of drilling fluids (filtrate) into the aquifer. This is normal and unavoidable during rotary drilling operations. The potential

for communication, contamination and comingling of formations via the well bore would be possible. The drilling program is designed to prevent this. There is need for more data on hydrologic systems in the area and the drilling of this well may provide some basic information as all shows of fresh water would be reported. Water production with the gas would require disposal of produced water per the requirements of NTL-2B. The depths of fresh water formations are listed in the 10-Point Subsurface Protection Plan. The pits would be unlined. If fresh water should be available from the well, the owner or surface agency may request completion as a water well if given approval.

#### Vegetation:

Plants in the area are predominantly sage brush, shad scale and native grasses.

Plants in the area are of the salt-desert-shrub types.

Proposed action would remove about 1.7 acres of vegetation. Removal of vegetation would increase the erosional potential and there would be a minor decrease in the amount of vegetation available for grazing.

The operator proposes to rehabilitate the surface upon completion of operations.

#### Wildlife:

The fauna of the area consists predominantly of mule deer, coyotes, rabbits, foxes, and varieties of small ground squirrels and other types of rodents and various types of reptiles. The area is used by man for the primary purpose of grazing domestic livestock and sheep. The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

An animal and plant inventory has been made by the BLM. No endangered plants or animals are known to inhabit the project area.

#### Social-Economic Effect:

An on the ground surface archaeological reconnaissance would be required prior to approval of the proposed action. Appropriate clearances would then be obtained from the surface managing agency. If a historic artifact, an archaeological feature or site is discovered during construction operations; activity would cease until the extent, the scientific importance, and the method of mitigating the adverse effects could be determined by a qualified cultural resource specialist.

- There are no occupied dwellings or other facilities of this nature in the general area. Minor distractions from aesthetics would occur over the lifetime of the project and is judged to be minor. All permanent facilities placed on the location would be painted a color to blend in with the natural environment. Present use of the area is grazing, recreation, and oil and gas activities.

Noise from the drilling operation may temporarily disturb wildlife and people in the area. Noise levels would be moderately high during drilling and completion operations. Upon completion, noise levels would be infrequent and significantly less. If the area is abandoned, noise levels should return to pre-drilling levels.

The site is not visible from any major roads. After drilling operations, completion equipment would be visible to passersby of the area but would not present a major intrusion.

The economic effect on one well would be difficult to determine. The overall effect of oil and gas drilling and production activity are significant in Uintah County.

But should this well discover a significant new hydrocarbon source, local, state, and possible national economics might be improved. In this instance, other development wells would be anticipated, with substantially greater environmental and economic impacts.

Should the wellsite be abandoned, surface rehabilitation would be done according to the surface agency's requirements and to USGS's satisfaction. This would involve leveling, contouring, reseeding, etc., of the location and possibly the access road. If the well should produce hydrocarbons, measures would be undertaken to protect wildlife and domestic stock from the production equipment.

There are no national, state, or local parks, forests, wildlife refuges or ranges, grasslands, monuments, trails or other formally designated recreational facilities near the proposed location.

The proposed location is within the Bonanza Planning Unit. This Environmental Assessment Record was compiled by the Bureau of Land Management, the surface managing agency of the Federal surface in the area. The study includes additional information on the environmental impact of oil and gas operations in this area and gives land use recommendations. The E.A.R. is on file in the agency's State offices and is incorporated herein by reference.

#### Waste Disposal:

The mud and reserves pits would contain all fluids used during the drilling operations. A trash cage would be utilized for any solid wastes generated at the site and would be suitably removed at the completion of the operations. Sewage would be handled according to State sanitary codes. For further information, see the 13-Point Surface Plan.

#### Alternative to the Proposed Action:

(1) Not approving the proposed permit-The oil and gas lease grants the lessee exclusive right to drill for, mine, extract, remove and dispose of all oil and gas deposits. Under leasing provisions, the Geological Survey has an obligation to allow mineral development if the environmental consequences are not too severe or irreversible. Upon rehabilitation of the site, the environmental effects of this action would be

substantially mitigated, if not totally annulled. Permanent damage to the surface and subsurface would be prevented as much as possible under USGS and other controlling agencies supervision with rehabilitation planning reversing almost all effects. Additionally, the growing scarcity of gas should be taken into consideration. Therefore, the alternative of not proceeding with the proposed action at this time is rejected.

(2) Minor relocation of the wellsite and access road or any special, restrictive stipulations or modifications to the proposed program would not significantly reduce the environmental impact. There are no severe vegetative, animal or archaeological-historical-cultural conflicts at the site. Since only a minor impact on the environment would be expected, the alternative of moving the location is rejected. At abandonment, normal rehabilitation of the area such as contouring, reseeding, etc., would be undertaken with an eventual return to the present status as outlined in the 13-Point Surface Plan.

Adverse Environmental Effects Which Cannot Be Avoid:

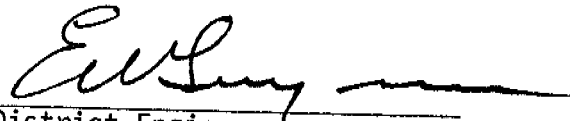
Surface disturbance and removal of vegetation from approximately 1.7 acres of land surface for the lifetime of the project which would result in increased and accelerated erosional potential. Grazing would be eliminated in the disturbed areas and there would be a minor and temporary disturbance of wildlife and livestock. Minor induced air pollution due to exhaust emissions from rig engines of support traffic engines would occur. Minor increase in dust pollution would occur due to vehicular traffic associated with the operation. If the well is a gas producer, additional surface disturbance would be required to install production pipelines. The potential for fires, gas leaks, and spills of oil and water would exist. During the construction and drilling phases of the project, noise levels would increase. Potential for sub-surface damage to fresh water aquifers and other geologic formations exists. Minor distractions from aesthetics during the lifetime of the project would exist. If the well is a producer, an irreplaceable and irretrievable commitment of resources would be made. Erosion from the site would eventually be carried as sediment in the White River. The potential for pollution to the White River would exist through leaks and spills.

Determination:

This requested action does not constitute a major Federal action significantly affecting the environment in the sense of NEPA, Section 102 (2) (C).

Date

11/19/79

  
District Engineer  
U.S. Geological Survey  
Conservation Division  
Oil and Gas Operations  
Salt Lake City District

FROM: DISTRICT GEOLOGIST ME, SALT LAKE CITY, UTAH

TO: DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH

SUBJECT: APD MINERAL EVALUATION REPORT

LEASE NO. 033433

OPERATOR: Pacific Transmission System

WELL NO. 45

LOCATION:  $\frac{1}{2}$  NE  $\frac{1}{2}$  SE  $\frac{1}{2}$  sec. 5, T. 12S, R. 22E, S. 6N

Utah County, Utah

1. Stratigraphy: Uinta - surface

Green River - 860

Wasatch 4150

Mesaverde 6150

Castlegate 8470

TP 8815

2. Fresh Water:

Possible in Uinta. Usable water at about 900 to 1000 feet.

Good water at about 2300 to 2500

3. Leasable Minerals:

Oil shale - mehogany zone at about 3000

4. Additional Logs Needed: adequate

5. Potential Geologic Hazards: slight overpressuring in lower Wasatch  
and mesaverde to about 0.52 psi/ft

6. References and Remarks:

Signature: 

Date: 10-24-79

PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

1. EXISTING ROADS

See attached Topographic Map "A". To reach Pacific Transmission Supply Company well location, P.T.S. #4-5 Federal, located in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 5, T10S, R23E, S.L.B. & M., from Vernal, Utah:

Proceed East out of Vernal, Utah, on U.S. Highway 40 - 24 miles to its junction with Utah State Highway 45 to the South; proceed Southerly along this road 22 miles to Bonanza, Utah; proceed Westerly from Bonanza, on an improved dirt road 4.3 miles to its junction with a road to the Southwest; proceed Southwesterly along this road 8.4 miles to its junction with the proposed access road (to be discussed in Item #2).

The highways mentioned above are bituminous surfaced roads to Bonanza, Utah, at which point the roads are dirt and are constructed of materials acquired during construction. This material consists of a sandy clay material with some fine gravels.

There is no anticipated construction on any portion of the above described roads. They will meet the necessary standards required to facilitate an orderly flow of traffic during the drilling phase, completion phase, and the production phase of this well at such time that production is established.

The roads that are required for access during the drilling phase, completion phase, and production phase of this well, will be maintained at the standards required by the B.L.M. or other controlling agencies.

2. PLANNED ACCESS ROAD

(See Topographic Map "B").

The proposed access road leaves the existing road described in Item #1 in the NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 5, T10S, R23E, S.L.B. & M. and proceeds in a South-easterly direction 400' to the proposed location site.

In order to facilitate the anticipated traffic flow necessary to drill and produce this well, the following standards will be met:

The proposed access road will be an 18' crown road (9' either side of the centerline) with drain ditches along either side of the proposed road where it is determined necessary in order to handle any run-off from normal meteorological conditions that are prevalent to this area.

Back slopes along the cut areas of the road will be 1 $\frac{1}{2}$  to 1 slopes and terraced.



PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

2. PLANNED ACCESS ROAD - Continued

There will be no culverts required along this access road.

The road will be centerline flagged prior to the commencement of construction.

If deemed necessary by the local governmental agencies or their representatives, turnouts will be installed for safety purposes every 0.25 miles or on the top of ridges that will provide the greatest sight distance. These turnouts will be 200' in length and 12' in width and will be tapered from the shoulder of the road for a distance of 50' in length at both the access and the outlet end.

Any fences that are encountered along this access road will be cut and replaced with a cattleguard with a minimum width of 18' and a loading factor large enough to facilitate the heavy trucks required in the drilling and production of this well.

If cattleguards are to be located at existing gates, they will be installed with the above requirements and with a new gate installed at one end of the cattleguard.

The access from the road to the gate will be of such a nature that there will be no impedance of traffic flow along the main access road and no difficulties encountered by traffic utilizing the gate either leaving or entering the proposed access road.

All lands involved in this action are under B.L.M. jurisdiction.

The terrain that is traversed by this road is generally level and is vegetated with sagebrush and grasses.

3. LOCATION OF EXISTING WELLS

There are no known water wells, abandoned wells, disposal wells, drilling wells, shut in wells, injection wells, monitoring or observation wells for other resources within a one mile radius of this location site. There are however, four producing wells within a one mile radius.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES

There are no Pacific Transmission Supply Company tank batteries, production facilities, oil gathering lines, gas gathering lines, injection lines, or disposal lines within a one mile radius of this location site, although there are gas gathering lines and other production facilities in the area which belong to other companies.

PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

4. LOCATION OF EXISTING AND PROPOSED FACILITIES - Continued

In the event that production is established, all petroleum production facilities will be contained within the proposed location site (See Location Layout Sheet). Plans for a flowline from this location to existing lines in the area will be submitted upon completion of the well. Plans will be submitted to the appropriate agencies upon completion of the survey. The areas used for production facilities will be built using bulldozers, graders, and workman crews to lay lines and set up equipment.

The rehabilitation of the disturbed area that is not required for the production of this well will meet the requirements of Items #7 and #10 and these requirements and standards will be adhered to.

5. LOCATION AND TYPE OF WATER SUPPLY

Water to be used in the drilling of this well will be hauled by truck from the White River near the Mountain Fuel Bridge in Section 17, T9S, R22E, S.L.B. & M. Water will be hauled over existing roads and the proposed access road approximately 16.8 miles to the proposed location site.

In the event this is not a suitable source, and alternate source will be decided upon and all concerned agencies will be notified.

There will be no water well drilled at this location site.

6. SOURCE OF CONSTRUCTION MATERIALS

All construction materials for this location site and access road shall be borrow materials accumulated during the construction of the location site and access road. No additional road gravels or pit lining materials from other sources are anticipated at this time, but if they are required the appropriate actions will be taken to acquire them from private sources.

All surface disturbance is on B.L.M. lands.

7. METHODS FOR HANDLING WASTE DISPOSAL

See Location Layout Sheet.

A reserve pit will be constructed.

The reserve pit will be approximately 8' deep and at least one half of this depth shall be below the surface of the existing ground.

PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

7. METHODS FOR HANDLING WASTE DISPOSAL - Continued

One half of the reserve pit will be used as a fresh water storage area during the drilling of this well and the other one half will be used to store non-flammable materials such as cuttings, salts, drilling fluids, chemicals, and produced fluids, etc.

If deemed necessary by the agencies concerned to prevent contamination to surrounding areas, the reserve pits will be lined with a gel.

The pits will have wire and overhead flagging installed if deemed necessary to protect water fowl, wildlife, and domestic animals.

At the onset of drilling, the reserve pit will be fenced on three sides and at the time drilling activities are completed, it will be fenced on the fourth side and allowed to dry completely prior to the time that backfilling and other reclamation activities are attempted.

When the reserve pit dries and reclamation activities commence, the pits will be covered with a minimum of four feet of soil and all requirements in Item #10 will be followed.

All waste materials will be contained in a trash basket made of small mesh wire and will be hauled to the nearest sanitary landfill for disposal upon completion of the well.

A portable chemical toilet will be supplied for human waste.

8. ANCILLARY FACILITIES

There are no ancillary facilities planned for at the present time and none foreseen.

9. WELL SITE LAYOUT

See Location Layout Sheet.

The B.L.M. District Manager shall be notified before any construction begins on the proposed location site.

As mentioned in Item #7, the pits will be unlined unless it is determined by the representatives of the agencies involved that the materials are too porous and would cause contamination to the surrounding area. Then the pits will be lined with a gel and any other type material necessary to make them safe and tight.

PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

9. WELL SITE LAYOUT - Continued

When drilling activities commence, all work shall proceed in a neat and orderly sequence.

10. PLANS FOR RESTORATION OF SURFACE

As there is some topsoil on the location site, all topsoil shall be stripped and stockpiled. (See Location Layout Sheet). When all drilling and production activities have been completed the location site and access road will be reshaped to the original contour and stockpiled topsoil spread over the disturbed area.

Any drainages re-routed during the construction activities shall be restored to their original line of flow as near as possible. Fences around pits are to be removed upon completion of drilling activities and all waste being contained in the trash pits shall be buried with a minimum of 5' of cover.

As mentioned in Item #7, the reserve pits will be completely fenced and wired and overhead flagging installed if there is oil in the pits, and then allowed to dry completely before covering.

Restoration activities shall begin within 90 days after completion of the well. Once completion activities have begun, they shall be completed within 30 days.

When restoration activities have been completed, the location site and access ramp shall be reseeded with a seed mixture recommended by the B.L.M. District Manager when the moisture content of the soil is adequate for germination. The Lessee further covenants and agrees that all of said cleanup and restoration activities shall be done and performed in a diligent and most workmanlike manner and in strict conformity with the above mentioned Items #7 and #10.

11. OTHER INFORMATION

The Topography of the General Area (See Topographic Map "A").

The area is a basin formed by the Blue Mountain Plateau and Green River to the North and White River and Roan Plateau to the South.

The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone, conglomerate, and shale deposits are common to the area.

PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The geologic structures of the area that are visible are of the Uinta Formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and younger Alluvial deposits from the Quaternary Period.

The topsoil in the area ranges from a light brownish-gray sandy clay (SM-SL) type soil with poorly graded gravels to a clayey (OL) type soil.

The majority of the numerous washes and streams in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

The White River to the South of this location site is the only perennial stream affected by this location.

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area is common of the semi-arid region we are located in. It consists of areas of sagebrush, rabbit-brush, some grasses and catclaw as the primary flora. This is also true for the lower elevations.

The fauna of the area consists predominantly of the mule deer, coyotes, pronghorn antelope, rabbits and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows, and jays.

The Topography of the Immediate Area (See Topographic Map "B").

P.T.S. #4-5 Federal is located on a relatively flat area on the top of a small hill 2.5 miles North of the White River.

The majority of the drainages in the area around this location run in a Southerly direction into the White River.

The terrain in the vicinity of the location slopes from the Northwest through the location site to the Southeast at approximately a 2% grade.

All lands disturbed by this location site and access road are under B.L.M. jurisdiction.

PACIFIC TRANSMISSION SUPPLY COMPANY  
P.T.S. #4-5 Federal  
Section 5, T10S, R23E, S.L.B. & M.

11. OTHER INFORMATION - Continued

The vegetation in the immediate area surrounding the location site is predominantly sagebrush and grasses. There are no occupied dwellings or other facilities of this nature in the general area. There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site.

12. LESSEE'S OR OPERATOR'S REPRESENTATIVE

R.J. Firth  
80 South 1500 East  
Vernal, Utah 84078

Telephone: 789-4573

13. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; that the work associated with the operations proposed herein will be performed by Pacific Transmission Supply Company and its contractors and sub-contractors in conformity with this plan and the terms and conditions under which it is approved.

Date

9/24/79

R. J. Firth

Petroleum Engineer

\*\* FILE NOTATIONS \*\*

DATE: Sept 27, 1979

Operator: Pacific Transmission Supply Co.

Well No: Federal 4-5

Location: Sec. 5 T. 10S R. 23E County: Wintak

File Prepared: ☒

Entered on N.I.D.: ☒

Card Indexed: ☒

Completion Sheet: ☒

☒ API Number 43-047-30633

CHECKED BY:

Geological Engineer: \_\_\_\_\_

Petroleum Engineer: \_\_\_\_\_

Director: OK w/ order NW 1/4 or SE 1/4 well location

APPROVAL LETTER:

Bond Required: ☐

Survey Plat Required: ☐

Order No. 179-1 10/24/78

O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception/company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation 3d

Plotted on Map ☒

Approval Letter Written ☒  
utw

#3  
PI hl

Personnel & Mailing Information:

Dee E. Beardsley, Manager of Operations  
Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, Wyoming 82602  
Telephone: Office (307) 265-1027  
Home (307) 234-7666

E. E. Mulholland, Operations Engineer  
Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, Wyoming 82602  
Telephone: Office (307) 265-1027  
Home (307) 265-4191

R. J. Firth  
Pacific Transmission Supply Company  
85 South 200 East  
Vernal, Utah 84078  
Telephone: Office (801) 789-4573  
Home (801) 789-5575

Notification of Shows, DST's and Unusual Problems:

Dee E. Beardsley	Office: 307-265-1027	Home: 307-234-7666
J. L. Wroble	303-571-1662	303-770-2667
E. E. Mulholland	307-265-1027	307-265-4191
R. J. Firth	801-789-4573	801-789-5575

Distribution of Information:

Pacific Transmission Supply Company  
P.O. Box 3093  
Casper, Wyoming 82602  
Attn: Mr. D. E. Beardsley

Pacific Transmission Supply Company  
717 Seventeenth Street, Suite 2300  
Denver, Colorado 80202  
Attn: Mr. J. L. Wroble

State of Utah  
Division of Oil, Gas and Mining  
1588 West North Temple  
Salt Lake City, Utah 84116  
Attn: Chief Petroleum Engineer

Pacific Transmission Supply Company  
85 South 200 East  
Vernal, Utah 84078  
Attn: Mr. R. J. Firth

United States Geological Survey  
Conservation Division  
Branch of Oil and Gas  
8440 Federal Bldg.  
125 South State Street  
Salt Lake City, Utah 84138  
Attn: Mr. E. W. Gynn



PACIFIC TRANSMISSION SUPPLY COMPANY

13 Point Surface Use Plan

For

Well Location

P.T.S. #4-5 Federal

Section 5, T10S, R23E, S.L.B. & M.

Uintah County, Utah

## WELL PROGRAM

WELL: PTS #4-5 Federal

LOCATION: 1620' from the south line and 1020' from the east line of Section 5, T10S, R23E, Uintah County, Utah.

CONTRACTOR: To be selected.

OBJECTIVE: A depth of 8815' should be sufficient to penetrate 300' into the Castlegate.

<u>FORMATION TOPS:</u>	<u>Formation</u>	<u>Depth</u>	<u>Datum</u>
	Green River	Surface	
	Wasatch	4615'	+ 700
	Y-Marker	5915'	- 600
	Mesaverde	6215'	- 900
	Castlegate	8515'	-3200
	Total Depth	8815' or 300' into the Castlegate	

SAMPLES: Collect cutting samples at ten (10) foot intervals from under surface to total depth. Samples will be collected by drilling crews for the wellsite geologist. Two (2) sets of samples will be collected in the oil shale section of the Green River formation with one (1) set to be sent to the Bureau of Mines, Laramie, Wyoming. Frequency of sample collection may be changed at the wellsite geologist's discretion.

### ELECTRICAL

SURVEYS: The following Logging Program will be employed.

200' - 2500' 12-1/4" hole to 2500'. Run Dual Induction Laterolog, Borehole Compensated Sonic and Compensated Formation Density logs.

2500' - 8815' 7-7/8" hole below 9-5/8" casing. Run Dual Laterolog, Borehole Compensated Sonic and Compensated Formation Density logs.

MUD LOGGER: A portable mud logging unit will be operated by the wellsite geologist from below surface casing to total depth.

### TESTING

PROGRAM: All significant shows of oil and gas will be drillstem tested. Use floor manifold with positive choke assembly, hydraulic jars, safety joint, reverse circulating sub, sampler assembly and dual packers. Collect samples of all fluids recovered for further analysis.

DRILLING FLUID  
PROGRAM:

<u>Interval</u> <u>(Feet)</u>	<u>Mud Weight</u> <u>(lbs/gal)</u>	<u>Viscosity</u> <u>(secs/qt)</u>	<u>Fluid Loss</u> <u>(ml/30 min)</u>
----------------------------------	---------------------------------------	--------------------------------------	---

0 - 200

-----AIR-----

Set 13-3/8" casing at 200'.

200 - 2500

8.4 - 8.8

27 - 29

No Control

Drill out surface casing with water, increasing the drilling fluid salinity to about 40,000 ppm NaCl. The salty water will improve hole stability by minimizing swelling shale tendencies and will allow cuttings to settle out rapidly. Utilize available solids control equipment and circulate reserve pit if possible. Occasional sweeps of prehydrated bentonite may be necessary to insure adequate hole cleaning while drilling 12-1/4" hole.

Some loss of circulation is anticipated in this interval. Lost circulation should be handled with conventional types of lost circulation materials with fine mica recommended for minor losses. If severe losses are encountered requiring the use of lost circulation material that will not pass through the shaker screen, consider using pill treatments instead of maintaining lost circulation material in the system continuously. Lost circulation which cannot readily be controlled by more conventional means may justify the use of cement plugs.

Set 9-5/8" intermediate casing @ 2500'.

2500 - Total Depth

9.0 - 10.5

27 - 34

12- 20 ccs.

Drill out intermediate casing and continue drilling with 60,000-80,000 ppm salt water. Neglecting solids control when drilling with water can result in differential sticking in subnormally pressured, permeable zones. This is due to the thick wall cake which forms as a result of high fluid loss and relatively high solids content. Consequently, if the reserve pit cannot be included in the active system, precautions should be taken to prevent drilled solids from being recirculated. The mud tanks should be dumped and cleaned frequently and all available solids control equipment should be used. Occasional sweeps of prehydrated bentonite, salt gel, or asbestos fiber should be used as necessary to clean the hole if tight connections are experienced or excessive fill is encountered. A drilling detergent might be used to provide lubricity and minimize bit balling. Maintain minimum viscosities and solids at all times to approximately 6000'.

2500 - Total Depth      9.0 - 10.5

27 - 34

12 - 20 ccs.

As it becomes necessary, or at approximately 6000' mud up with salt gel for viscosity, caustic soda for pH control and starch and preservative for fluid loss control. Additions of a lignosulfonate may be used as needed to control the flow properties of the mud. Avoid arbitrarily increasing the viscosity of the mud above that which is recommended. Well site interpretation of hole conditions will help determine the degree of mud up and necessary fluid properties to be maintained.

Higher than normal formation pressures should be anticipated in this interval. Fluid densities of 9.5-10.5 lbs/gal may be required to safely balance formation pressures. Drilling fluid salinity can be adjusted as necessary to increase mud weight without adding additional solids to the system.

Seepage and slight lost circulation may occur as the mud weight is increased. To avoid fracturing weak formations, maintain mud weight, yield point and gels as low as possible without sacrificing safe operations. Care should be taken to minimize swab and surge pressures by avoiding excessive pipe speed while tripping in and out of the hole.

A small stream of water should be run continuously while drilling and the mud tanks should be cleaned frequently to minimize the recirculation of drilled solids and allow the addition of fresh materials to the system. Water should be reclaimed from the reserve pit to conserve water and also reduce some chemical additions.

CASING  
PROGRAM:

<u>Size</u>	<u>Setting Depth</u>	<u>Hole Size</u>	<u>Cement</u>
13-3/8"	200'	17-1/2"	Approximately 250 sxs. Class G w/3% Ca Cl.
9-5/8"	2500' (+)	12-1/4"	Approximately 275 sxs. to be verified after logs are run.
4-1/2"	8815'	7-7/8"	Amount will be determined after logs are run. Use regulated fillup and Class G type cements.

PRESSURE  
CONTROL EQUIPMENT  
AND SPECIFICATIONS:

Adequate BOP equipment will be maintained as indicated in the attached Pressure Control Specifications. In addition, the BOP equipment will be well-braced with hand controls extending clear of the drilling rig substructure. The accumulator equipment will provide closing pressure in excess of that required with sufficient volume to operate all components. All BOP equipment, auxiliary equipment, standpipe, valves and rotary hose will be tested as per test schedule or to the rated pressure of the equipment at the time of installation. Modification of the pressure control equipment or testing procedure will be approved in writing on tour sheets by the wellsite representative.

## DRILLING PROCEDURE

### PTS #4-5

- 1) Move in air percussion rig and drill 17-1/2" hole to 200'. Set and cement 13-3/8", 48.0#, H-40 casing to surface with approximately 250 sacks cement. WOC.
- 2) Move in rotary drilling rig and equipment. Cut off 13-3/8" casing and install 3000# casing flange. Install BOP equipment and pressure test BOP's, manifold, valves, and annular preventer to 2500# prior to drilling casing shoe. Drill 12-1/4" hole to 2500'. Conduct electric logging and prepare hole for intermediate casing.
- 3) Set and cement 9-5/8", 36.0#, K-55 intermediate casing sufficiently to protect any water, oil, gas or other mineral-bearing formations. WOC.
- 4) Land casing and install intermediate spool. Install BOP equipment and retest prior to drilling casing shoe.
- 5) Drill 7-7/8" hole to total depth. Perform drill stem testing as warranted. Conduct electric logging and prepare hole for production casing.
- 6) Run 4-1/2", 11.6#, N-80 production casing and cement as necessary across potential zones. The length of the cement column will be determined after the logs have been evaluated.
- 7) Release rotary drilling rig and develop completion procedure.

### Special Instructions:

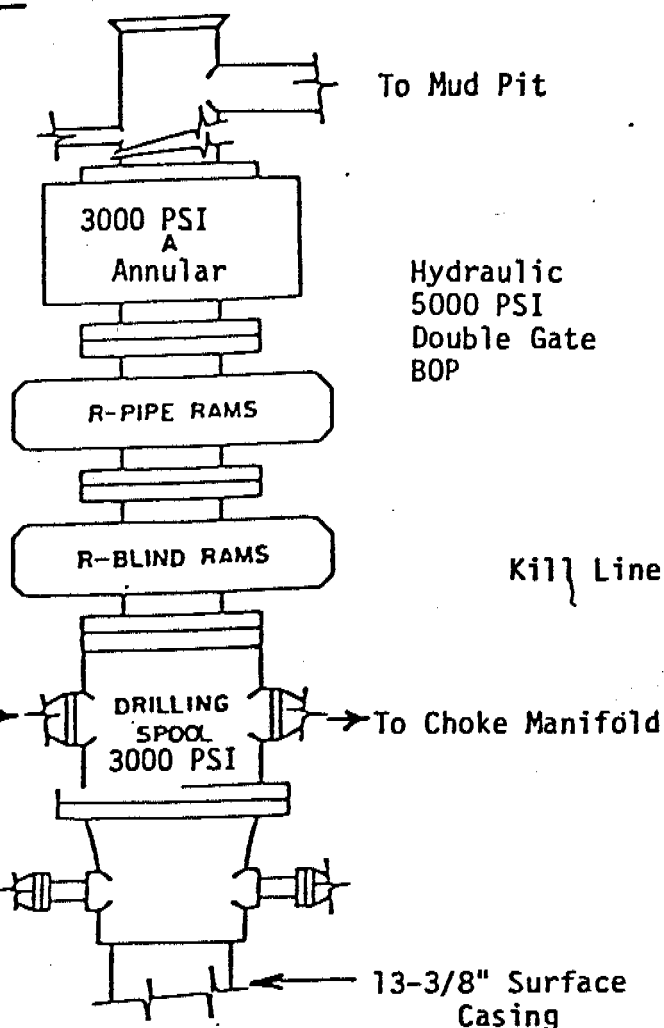
- 1) Run deviation surveys at regular intervals and in conjunction with bit trips.
- 2) Utilize a degasser and necessary solids control equipment.
- 3) Avoid surging hole on trips and fill hole properly when pulling pipe.
- 4) All crew members should be familiar with BOP operations. Functional test pipe rams daily and close blind rams each trip out of the hole.
- 5) Drilling crews should observe to detect either decrease or increase in fluid level.
- 6) A regular daily mud check should be made by mud engineer.
- 7) Drill stem testing will be determined by the well site geologist.

12" BOP System

Hydraulic  
3000 PSI  
Double Gate  
BOP

Kill Line

3000 PSI  
Casing Head



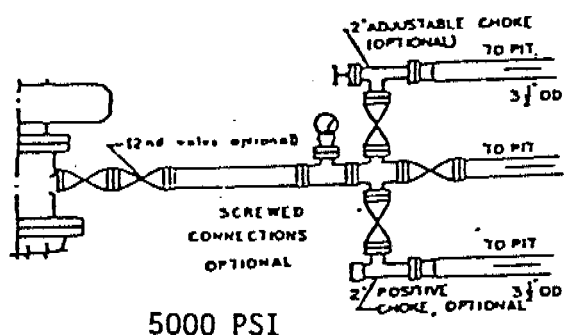
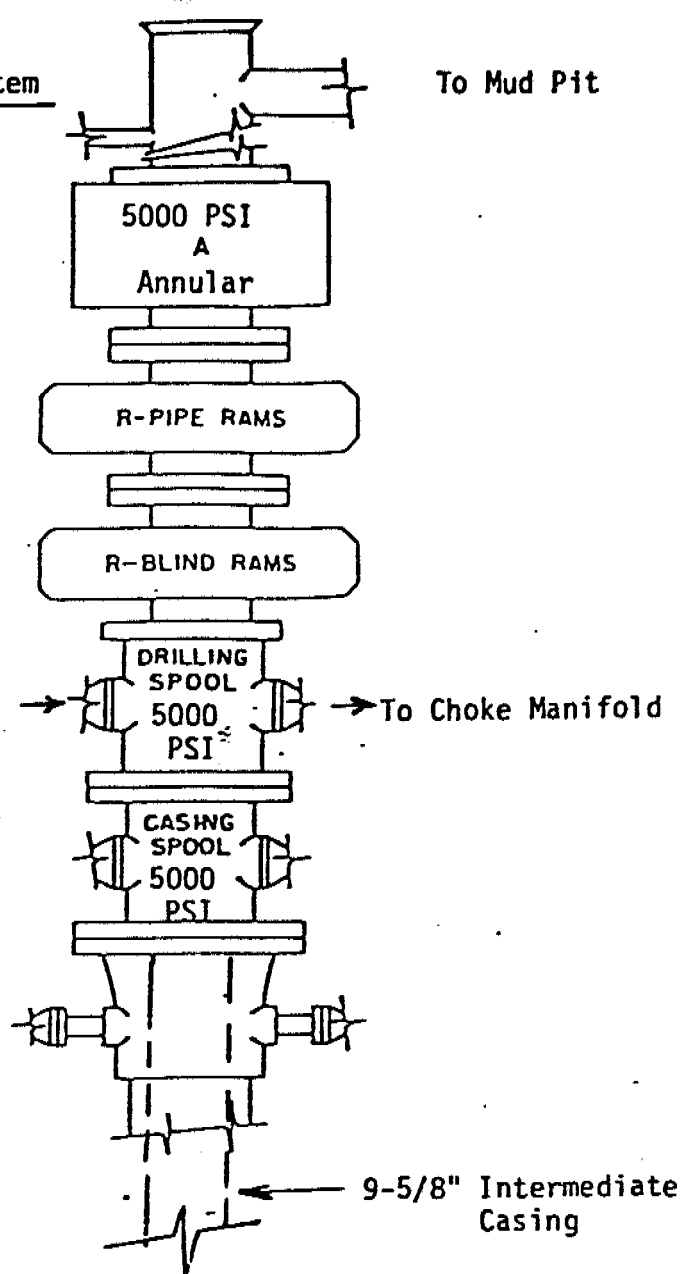
10" BOP System

To Mud Pit

Hydraulic  
5000 PSI  
Double Gate  
BOP

Kill Line

To Choke Manifold



**CHOKE-MANIFOLD DESIGN**

TEST SCHEDULE

12" BOP System & 13-3/8" Casing  
to 2500 PSI.

10" BOP System & Choke Manifold  
to 5000 PSI.

9-5/8" Casing to 3500 PSI.

Auxiliary Equipment

Lower kelly cock, full opening  
stabbing valve, and mud monitoring  
system including pit level indicators  
and/or flow sensor with alarms.

September 28, 1979

Pacific Transmission Supply Co.  
P.O. Box 3093  
Casper, Wyoming 82602

Re: Well No. Federal 4-4, Sec. 4, T. 10S, R. 23E., Uintah County, Utah  
Well No. Federal 4-5, Sec. 5, T. 10S, R. 23E., Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas wells is hereby granted in accordance with the Order issued in Cause No. 179-1 dated October 24, 1978.

Should you determine that it will be necessary to plug and abandon these wells, you ~~are~~ hereby requested to immediately notify one of the following:

MICHAEL T. MINDER  
Geological Engineer  
Office: 533-5771  
Home: 876-3001

FRANK M. HAMNER  
Chief Petroleum Engineer  
Office: 533-5771  
Home: 531-7827

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API numbers assigned to these wells are #4-4 - 43-047-30632;  
#4-5 - 43-047-30633.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Michael T. Minder  
Geological Engineer

/b:tm

cc: USSS



DUPLICATE

SUBMIT IN TRIPLICATE  
(Other instructions on  
reverse side)Form approved.  
Budget Bureau No. 42-R1425.UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

Pacific Transmission Supply Company

## 3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, Wyo. 82602

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)\*

At surface

1620' from south line, 1020' from east line

At proposed prod. zone

NE 1/4 SE 1/4, Section 5, T10S, R23E, S.L.B.&amp;M. Uintah County,

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

59 miles southeast of Vernal, Utah

Utah

## 15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drilg. unit line, if any)

1620'

## 16. NO. OF ACRES IN LEASE

1820 (+)

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

160

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 19. PROPOSED DEPTH

8815'

## 20. ROTARY OR CABLE TOOLS

Rotary

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5302' Ungraded ground, 5315' KB estimated

## 22. APPROX. DATE WORK WILL START\*

Upon receipt of approval

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0	200	250 sacks, Circ. to surface
12-1/4"	9-5/8"	36.0	2500	275 sacks
7-7/8"	4-1/2"	11.6	8815	

As necessary to protect all  
productive intervals.

Operator proposes to drill well to approximately 8815' to test the Mesaverde formation. 150' above uppermost hydro-carbon zone. 9-5/8", 36.0#, K-55 intermediate casing will be run and cemented to protect the oil shale section of the Green River formation. All water flows and significant hydro-carbon shows will be evaluated and reported. The well will be operated according to the attached well program and all applicable regulations. Adequate BOP equipment will be maintained at all times as indicated in the attached Pressure Control Specifications. If commercial production is encountered, 4-1/2", 11.6#, N-80 production casing will be run and cemented to adequately protect all potentially productive intervals. No abnormal pressures or temperatures of other potential hazards are anticipated.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

R. J. Firth

TITLE

Petroleum Engineer

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

(Orig. Sgd.) E. W. GUYNN

TITLE

DISTRICT ENGINEER

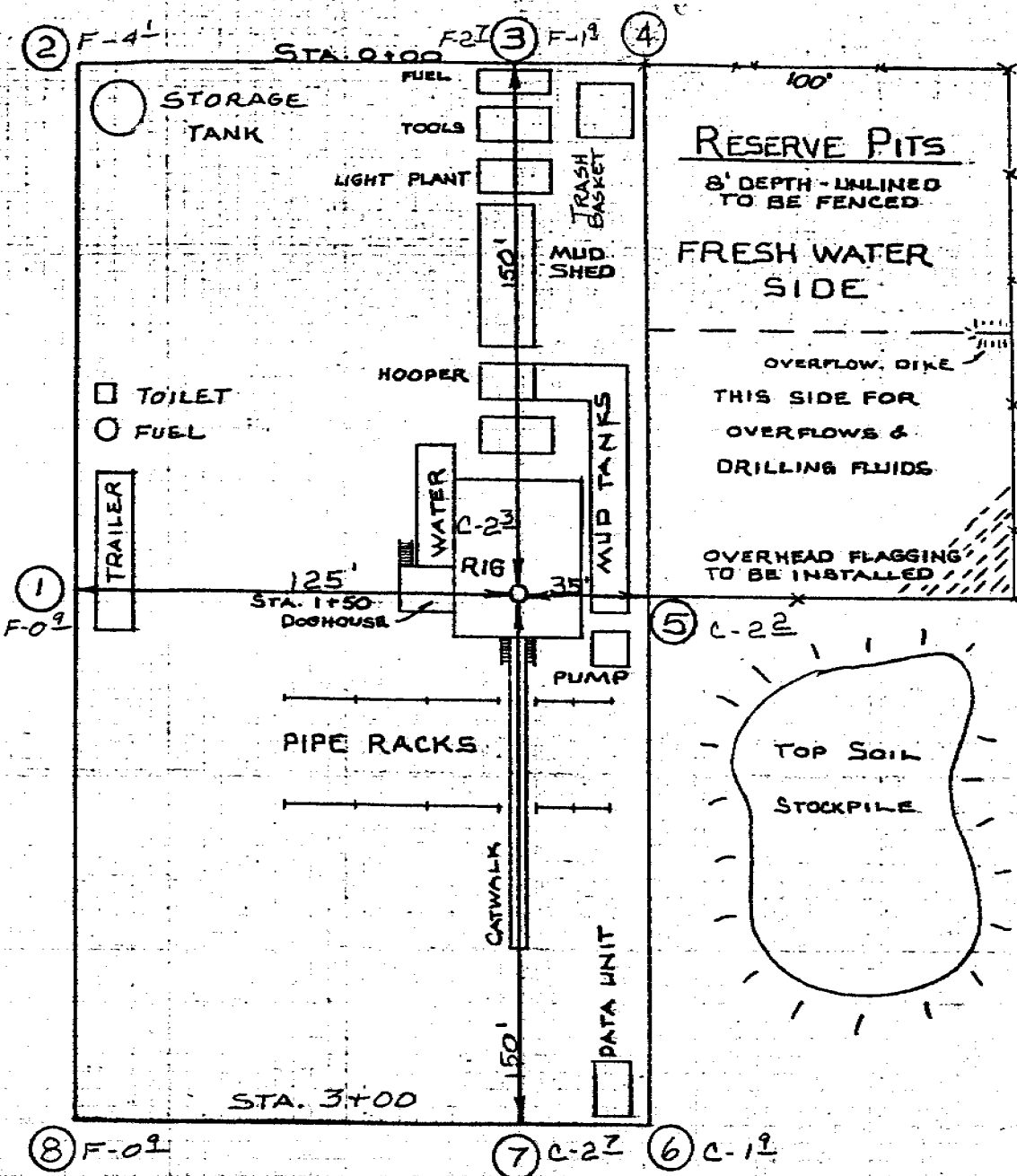
DATE

NOV 20 1979

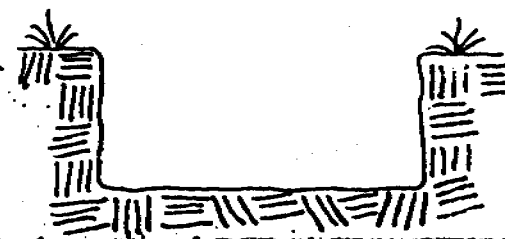
3-USGS, SLC,UT; 1-Div.ofOG&amp;M,SLC,UT; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-File

\*See Instructions On Reverse Side

Utah O &amp; G



SOILS LITHOLOGY  
- NO SCALE -



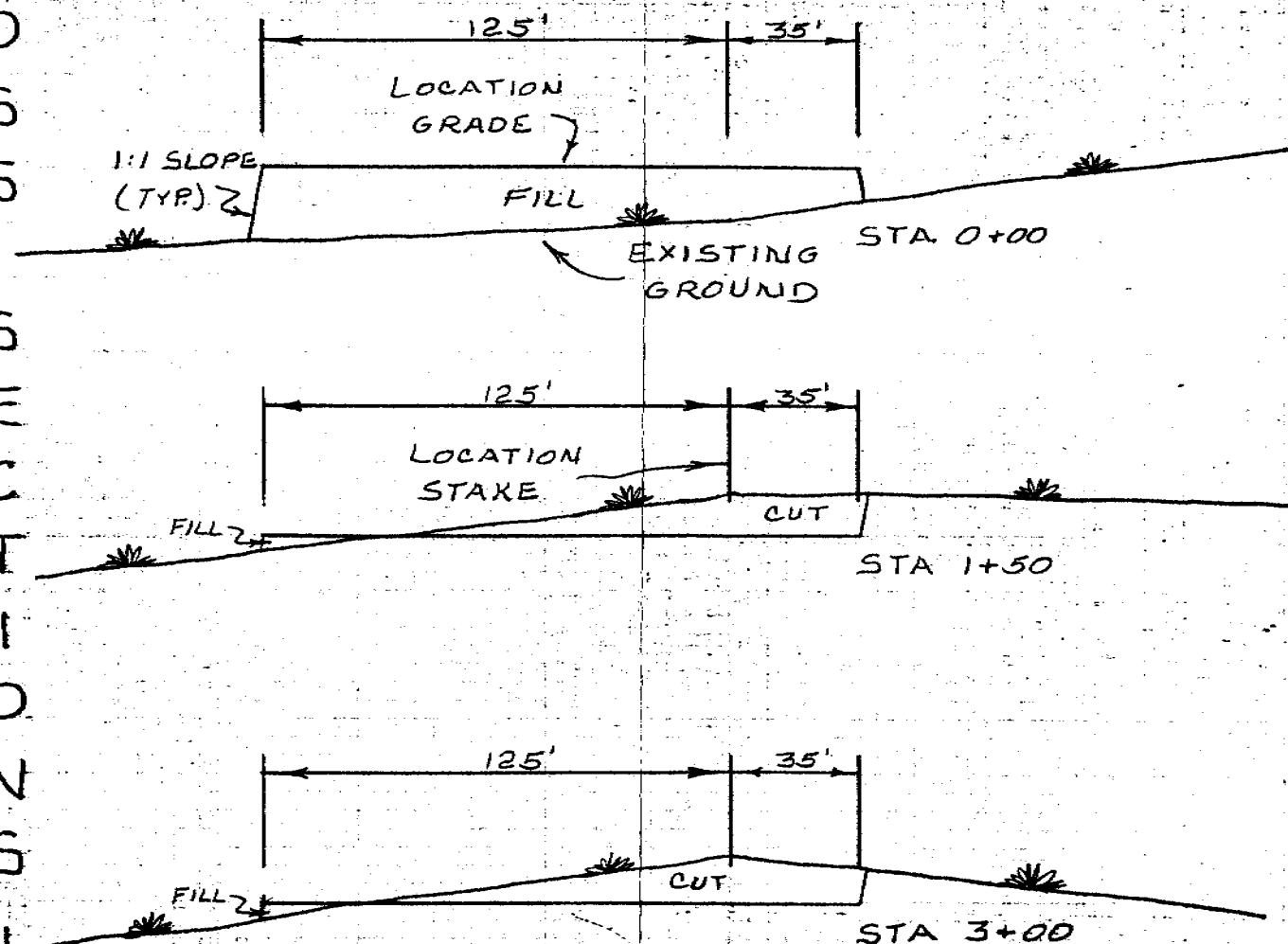
BROWNISH GRAY  
SANDY CLAY

WIND  
EAST

PACIFIC TRANSMISSION SUPPLY CO.

P.T.S. #4-5 FED.  
LOCATION LAYOUT & CUT SHEET

C  
R  
O  
S  
S  
  
S  
E  
C  
T  
I  
O  
N  
S



1" = 10'  
SCALES  
1" = 50'

APPROX. YARDAGES

CUT - 1,627 CU. YDS.  
FILL - 1,567 CU. YDS.

DIVISION OF OIL, GAS AND MINING

SPODDING INFORMATION

NAME OF COMPANY: Pacific Transmission Supply

WELL NAME: Federal #4-5

SECTION 5 NE SE TOWNSHIP 10S RANGE 23E COUNTY Uintah

DRILLING CONTRACTOR Olsen Drilling

RIG #

SPODDED: DATE 12/12/79

TIME 3:00 p.m.

How rotary

DRILLING WILL COMMENCE ASAP

REPORTED BY Ron Firth

TELEPHONE # 789-4573

DATE December 14, 1979

SIGNED M. J. Munder

cc: USGS

JH

**PACIFIC TRANSMISSION SUPPLY COMPANY**  
**Natural Gas Corporation of California**

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

December 21, 1979

Mr. E. W. Gynn (3)  
GEOLOGICAL SURVEY-CONSERVATION DIV.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

✓ Mr. Frank M. Hamner (1)  
DIVISION OF OIL, GAS & MINING  
1588 West North Temple  
Salt Lake City, UT 84116

CLIFFORD CONE (1)  
P.O. Box 6010  
Lubbock, Texas 79413  
Attn: Clifford Cone

ENSERCH EXPLORATION, INC.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202  
Attn: R. W. Sharp

Re: PTS #4-5 Federal  
NE 1/4 SE 1/4, Section 5, T10S, R23E  
Utah County, Utah

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Spudding Operations Report dated December 20, 1979 for the above referenced well.

Very truly yours,



R. J. Firth  
Petroleum Engineer

RJF/kh  
Encls.

cc: J. L. Wroble  
E. R. Henry  
E. E. Mulholland  
C. T. Clark (Cover Letter Only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other2. NAME OF OPERATOR  
Pacific Transmission Supply Company3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, WY 826024. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1620' from south line, 1020' from  
AT TOP PROD. INTERVAL: east line, NE 1/4 SE 1/4,  
AT TOTAL DEPTH: Section 5, T10S, R23E

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Spudding Operations <input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

5. LEASE  
U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal9. WELL NO.  
4-510. FIELD OR WILDCAT NAME  
Wildcat11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T10S, R23E12. COUNTY OR PARISH  
Uintah13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5315 KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Application for Permit to Drill approved by USGS on November 20, 1979. Prepared location site and pits. Rigged up rotary drilling rig. Commenced drilling 8:15 p.m. December 12, 1979. Drilled and reamed 17-1/2" surface hole. Ran 4 jts. 13-3/8" 48.0# H40 surface casing to 151' KB and cemented with 250 sacks Class G cement. Good circulation throughout job and cement circulated to surface. WOC. Installed and pressure tested BOP equipment and prepared to drill 12-1/4" hole.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. J. Firth TITLE Petroleum Engineer DATE December 20, 1979

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

**PACIFIC TRANSMISSION SUPPLY COMPANY**  
**Natural Gas Corporation of California**

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

December 28, 1979

Mr. E. W. Gynn (3)  
GEOLOGICAL SURVEY - CONSERVATION DIV.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Frank M. Hamner (1)  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, UT 84116

CLIFFORD CONE (1)  
P.O. Box 6010  
Lubbock, TX 79413  
Attn: Clifford Cone

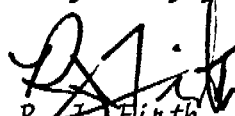
ENSERCH EXPLORATION, INC.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202  
Attn: R. W. Sharp

Re: PTS #4-5 Federal  
NE 1/4 SE 1/4, Section 5, T10S, R23E  
Uintah County, UT

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Weekly Operations Report dated December 28, 1979 for the above referenced well.

Very truly yours,

  
R. J. Firth  
Petroleum Engineer

RJF:kh  
Encls.

cc: J. L. Wroble  
E. R. Henry  
E. E. Mulholland  
C. T. Clark (Cover Letter Only)

**RECEIVED**

DEC 31 1979

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other

2. NAME OF OPERATOR  
*Pacific Transmission Supply Company*

3. ADDRESS OF OPERATOR  
*P.O. Box 3093, Casper, Wyo. 82602*

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: *1620' from south line, 1020' from*  
AT TOP PROD. INTERVAL: *east line, NE 1/4 SE 1/4,*  
AT TOTAL DEPTH: *Section 5, T10S, R23E*

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) <i>Weekly Operations Report</i>			<input checked="" type="checkbox"/>

5. LEASE

*U-33433*

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

*Federal*

9. WELL NO.

*4-5*

10. FIELD OR WILDCAT NAME

*Wildcat*

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

*Sec. 5, T10S, R23E*

12. COUNTY OR PARISH

*Uintah*

13. STATE

*Utah*

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
*5315 KDB*

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

*December 16 thru 22, 1979: Drilled cement and casing float collar and shoe. Drilled 12-1/4" hole to 2021' and encountered extreme lost circulation. Set 4 cement plugs thru lost circulation intervals to control and regain circulation. WOC. Prepared to drill out cement.*

**RECEIVED**

DEC 31 1979

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_

DIVISION OF  
OIL, GAS & MINING  
Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED *R. J. Barth* TITLE *Petroleum Engineer* DATE *December 28, 1979*

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other ☐
2. NAME OF OPERATOR  
Pacific Transmission Supply Company
3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, WY 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1620' from south line, 1020' from  
AT TOP PROD. INTERVAL: east line, NE 1/4 SE 1/4,  
AT TOTAL DEPTH: Section 5, T10S, R23E
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Weekly Operations Report	<input checked="" type="checkbox"/>	

5. LEASE  
U-33433
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
Federal
9. WELL NO.  
4-5
10. FIELD OR WILDCAT NAME  
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T10S, R23E
12. COUNTY OR PARISH  
Uintah
13. STATE  
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5315' KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

December 23 thru 29, 1979:

Drilled out cement thru lost circulation interval. Drilled 12-1/4" hole 2021'-2500'. Circulate and condition hole for logging. Ran Schlumberger Dual Induction-SFL 152'-2458', Borehole Compensated Sonic 162'-2455' and Compensated Formation Density 152'-2460'. Ran 61 jts. 9-5/8", 36.0#, K-55 intermediate casing to 2502' and cemented with 600 sacks Pozmix cement and 100 Regulated Fillup cement. Good circulation with cement to surface. WOC. Cut off casing and installed casing spool. Nippled up and pressure tested BOP equipment. Drilled cement float collar and casing shoe. Drilled 7-7/8" hole 2500'-3561'. Deviation survey 1-1/4° @ 3489'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED ORIGINAL SIGNED BY: R. J. FIRTH TITLE Petroleum Engineer DATE January 9, 1980

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

**RECEIVED**

JAN 10 1980



# NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS  
308 DURBIN CENTER BUILDING  
145 SOUTH DURBIN STREET  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027

RECEIVED

JAN 21 1980

January 17, 1980

DIVISION OF  
OIL, GAS & MINING

Mr. E. W. Guynn (3)  
GEOLOGICAL SURVEY - CONSERVATION DIV.  
2000 Administration Bldg.  
1745 W. 1700 South  
Salt Lake City, UT 84104

Mr. J. Milton Wege (1)  
RALPH E. DAVIS & ASSOCIATES  
500 Jefferson, Suite 2031  
Houston, TX 77002

Mr. Frank M. Hamner (1)  
DIVISION OF OIL GAS & MINING  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Clifford Cone (1)  
P. O. Box 6010  
Lubbock, TX 79413

Mr. R. W. Sharp (1)  
ENSERCH EXPLORATION  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Re: PTS #4-5 Southman Canyon Federal  
Sec. 5, T10S, R23E  
Uintah County, UT

Gentlemen:

Enclosed please find your required number of copies of DST #1 from the above referenced well. As you will note on the report from Lynes, Inc., it was a "Misrun: No packer seats."

Very truly yours,

*E. E. Mulholland, sr*

E. E. Mulholland  
Operations Engineer

/pv

Encl.

cc: J. L. Wroble  
E. R. Henry  
R. J. Firth  
C. T. Clark (Cover Letter Only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other

2. NAME OF OPERATOR  
Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1620' from south line, 1020' from  
AT TOP PROD. INTERVAL: east line, NE 1/4 SE 1/4,  
AT TOTAL DEPTH: Section 5, T10S, R23E

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO: SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF	<input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>	<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>	<input type="checkbox"/>
(other) Weekly Operations Report	<input checked="" type="checkbox"/>	<input type="checkbox"/>

5. LEASE  
U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
4-5

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T10S, R23E

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5315' KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

December 30, 1979 thru January 5, 1980:

Drilled 7-7/8" hole 3561'-6093'. Deviation survey 1° @ 5310'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED ORIGINAL SIGNED  
BY: R. J. FIRTH TITLE Petroleum Engineer DATE January 9, 1980  
R. J. Firth

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

# NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS  
308 DURBIN CENTER BUILDING  
145 SOUTH DURBIN STREET  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027

January 18, 1980

Mr. E. W. Guynn (3)  
GEOLOGICAL SURVEY-CONSERVATION DIV.  
2000 Administration Bldg.  
1745 W. 1700 South  
Salt Lake City, UT 84104

Mr. J. Milton Wege (1)  
RALPH E. DAVIS & ASSOCIATES  
500 Jefferson, Suite 2031  
Houston, TX 77002

Mr. Frank M. Hamner (1)  
DIVISION OF OIL GAS & MINING  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Clifford Cone (1)  
P. O. Box 6010  
Lubbock, TX 79413

Re: PTS #4-5 Southman Canyon Federal  
Sec. 5, T10S, R23E  
Uintah County, UT

Gentlemen:

Enclosed please find your required number of copies of the results of DST #2 from Lynes, Inc., on the above referenced well.

Very truly yours,

*E. E. Mulholland*

E. E. Mulholland  
Operations Engineer

/pv

Encl.

cc: J. L. Wroble  
E. R. Henry  
R. J. Firth  
C. T. Clark (Cover Letter Only)  
ENSERCH EXPLORATION, Mr. R. W. Sharp (1)

RECEIVED

JAN 21 1980

DIVISION OF  
OIL, GAS & MINING

Contractor Olsen Drilling Co.  
Rig No. 2  
Spot NE-SE  
Sec. 5  
Twp. 10 S  
Rng. 23 E  
Field Southman  
County Uintah  
State Utah  
Elevation 5315' K.B.  
Formation Mesaverde

Top Choke 1/4"  
Bottom Choke 9/16"  
Size Hole 7 7/8"  
Size Rat Hole --  
Size & Wt. D. P. 4 1/2" 16.60  
Size Wt. Pipe --  
I. D. of D. C. 2 1/4"  
Length of D. C. 187'  
Total Depth 6563'  
Interval Tested 6214-6563'  
Type of Test Bottom Hole  
Conventional

Flow No. 1 -- Min.  
Shut-in No. 1 -- Min.  
Flow No. 2 -- Min.  
Shut-in No. 2 -- Min.  
Flow No. 3 -- Min.  
Shut-in No. 3 -- Min.

Bottom  
Hole Temp. 160° F  
Mud Weight 9.5  
Gravity --  
Viscosity 28

Tool opened @ 3:25AM

Outside Recorder

PRD Make Kuster AK-1  
No. 10240 Cap. 8300 @ 6238'

	Press	Corrected
Initial Hydrostatic	A	--
Final Hydrostatic	K	--
Initial Flow	B	--
Final Initial Flow	C	--
Initial Shut-in	D	--
Second Initial Flow	E	--
Second Final Flow	F	--
Second Shut-in	G	--
Third Initial Flow	H	--
Third Final Flow	I	--
Third Shut-in	J	--

Lynes Dist. Rock Springs, Wy.  
Our Tester Stormy Hayes  
Witnessed By Joe Monce

Operator Pacific Transmission Supply Co. Well Name and No. Federal #4-5  
Address P.O. Box 3093  
Casper, Wyoming 82602

Ticket No. 20665 Date 1-7-80

DST No. 1  
No. Final Copies 5

Did Well Flow -- Gas no Oil no Water no  
RECOVERY IN PIPE: 862' Drilling mud.

MISRUN: No packer seats.

Contractor Olsen Drilling Co.  
Rig No. 2  
Spot NE-SE  
Sec. 5  
Twp. 10 S  
Rng. 23 E  
Field Southman  
County Uintah  
State Utah  
Elevation 5315' K.B.  
Formation Mesaverde

Top Choke 1/4"  
Bottom Choke 9/16"  
Size Hole 7 7/8"  
Size Rat Hole --  
Size & Wt. D. P. 4 1/2" 16.60  
Size Wt. Pipe --  
I. D. of D. C. 2 1/4"  
Length of D. C. 378'  
Total Depth 6563'  
Interval Tested 6330-6563'  
Type of Test Bottom Hole  
Conventional

Flow No. 1 15 Min.  
Shut-in No. 1 60 Min.  
Flow No. 2 75 Min.  
Shut-in No. 2 150 Min.  
Flow No. 3 -- Min.  
Shut-in No. 3 -- Min.

Bottom  
Hole Temp. 164° F  
Mud Weight 9.3  
Gravity --  
Viscosity 28

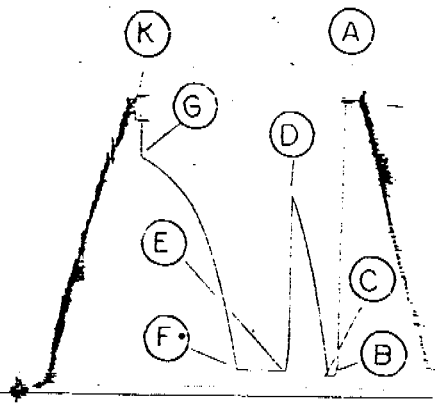
Tool opened @ 10:35AM

Outside Recorder

PRD Make Kuster AK-1  
No. 10240 Cap. 8300 @ 6354'

Press	Corrected
Initial Hydrostatic A	3084
Final Hydrostatic K	3079
Initial Flow B	216
Final Initial Flow C	210
Initial Shut-in D	2061
Second Initial Flow E	257
Second Final Flow F	263
Second Shut-in G	2465
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Lynes Dist. Rock Springs, Wy.  
Our Tester: Stormy Hayes  
Witnessed By: Joe Monce



Did Well Flow - Gas yes Oil no Water no  
RECOVERY IN PIPE: 637' Gas cut mud = 5.53 bbl.

Top Sample R.W.: .08 @ 65° F = 105,000 ppm. chl.  
Middle Sample R.W.: .06 @ 65° F = 160,000 ppm. chl.  
Bottom Sample R.W.: .06 @ 70° F = 145,000 ppm. chl.

Blow Description:

1st Flow: Tool opened with a very strong blow, increased to bottom of bucket in 45 seconds and continued to increase to 11.0 psi at end of flow period. After shut-in, gas to surface in 10 minutes.

2nd Flow: Tool opened with gas to surface. See Gas Volume Report.

Operator Pacific Transmission Supply Co. Well Name and No. Federal #4-5  
P.O. Box 3093  
Address Casper, Wyoming 82602  
Ticket No. 20666  
Date 1-8-80  
DST No. 2  
No. Final Copies 5

# LYNES, INC.

Pacific Transmission Supply Co.

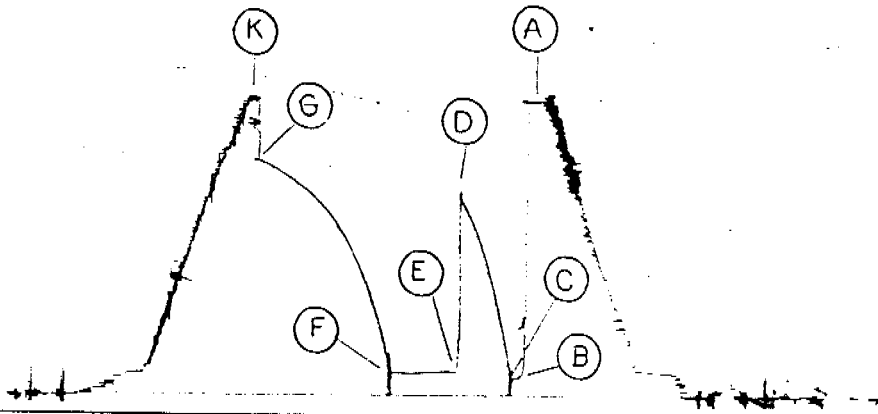
Federal #4-5

2

Operator

Well Name and No.

DST No.



## Inside Recorder

PRD Make Kuster AK-1

No. 1478 Cap. 8100 @ 6311'

Press	Corrected
Initial Hydrostatic A	3064
Final Hydrostatic K	3058
Initial Flow B	197
Final Initial Flow C	189
Initial Shut-in D	2040
Second Initial Flow E	237
Second Final Flow F	245
Second Shut-in G	2446
Third Initial Flow H	--
Third Final Flow I	--
Third Shut-in J	--

Pressure Below Bottom  
Packer Bled To

PRD Make

No. Cap. @

Press	Corrected
Initial Hydrostatic A	
Final Hydrostatic K	
Initial Flow B	
Final Initial Flow C	
Initial Shut-in D	
Second Initial Flow E	
Second Final Flow F	
Second Shut-in G	
Third Initial Flow H	
Third Final Flow I	
Third Shut-in J	

Pressure Below Bottom  
Packer Bled To

DST NUMBER: 002

RECORDER NUMBER: 010240

INTERVAL TESTED: 6330FT TO 6563FT

RECORDER DEPTH: 6354.000FT

TOTAL FLOW TIME: 15.0MIN

## FIRST SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI)	PRESSURE
PHI	/PHI	(PSI)
.0	.0000	210.0
1.0	16.0000	243.0
2.0	8.5000	302.0
3.0	6.0000	350.0
4.0	4.7500	380.0
5.0	4.0000	424.0
6.0	3.5000	483.0
7.0	3.1429	514.0
8.0	2.8750	556.0
9.0	2.6667	611.0
10.0	2.5000	638.0
12.0	2.2500	728.0
14.0	2.0714	800.0
16.0	1.9375	885.0
18.0	1.8333	965.0
20.0	1.7500	1037.0
22.0	1.6818	1116.0
24.0	1.6250	1185.0
26.0	1.5769	1249.0
28.0	1.5357	1312.0
30.0	1.5000	1369.0
35.0	1.4286	1520.0
40.0	1.3750	1651.0
45.0	1.3333	1776.0
50.0	1.3000	1891.0
55.0	1.2727	1993.0
60.0	1.2500	2061.0

Both shut-in pressure build-up curves have insufficient character to permit the use of a Horner plot to determine reliable extrapolated shut-in pressures.

DST NUMBER: 002

RECORDER NUMBER: 010240

INTERVAL TESTED: 6330FT TO 6563FT

RECORDER DEPTH: 6354.000FT

TOTAL FLOW TIME: 90.0MIN

## SECOND SHUT IN PRESSURE (LIQUID)

TIME (MIN)	(T+PHI) /PHI	PRESSURE (PSI)
.0	.0000	263.0
1.0	91.0000	288.0
2.0	46.0000	323.0
3.0	31.0000	356.0
4.0	23.5000	387.0
5.0	19.0000	417.0
6.0	16.0000	458.0
7.0	13.8571	494.0
8.0	12.2500	524.0
9.0	11.0000	557.0
10.0	10.0000	588.0
12.0	8.5000	656.0
14.0	7.4286	726.0
16.0	6.6250	788.0
18.0	6.0000	848.0
20.0	5.5000	909.0
22.0	5.0909	969.0
24.0	4.7500	1026.0
26.0	4.4615	1086.0
28.0	4.2143	1143.0
30.0	4.0000	1198.0
40.0	3.2500	1426.0
50.0	2.8000	1624.0
60.0	2.5000	1785.0
70.0	2.2857	1922.0
80.0	2.1250	2030.0
90.0	2.0000	2118.0
100.0	1.9000	2196.0
110.0	1.8182	2267.0
120.0	1.7500	2327.0
130.0	1.6923	2376.0
140.0	1.6429	2422.0
150.0	1.6000	2465.0



# HORNER PLOT

TEST DATE: 01 08 80

WELL NAME: FEDERAL 4-5

LOCATION:

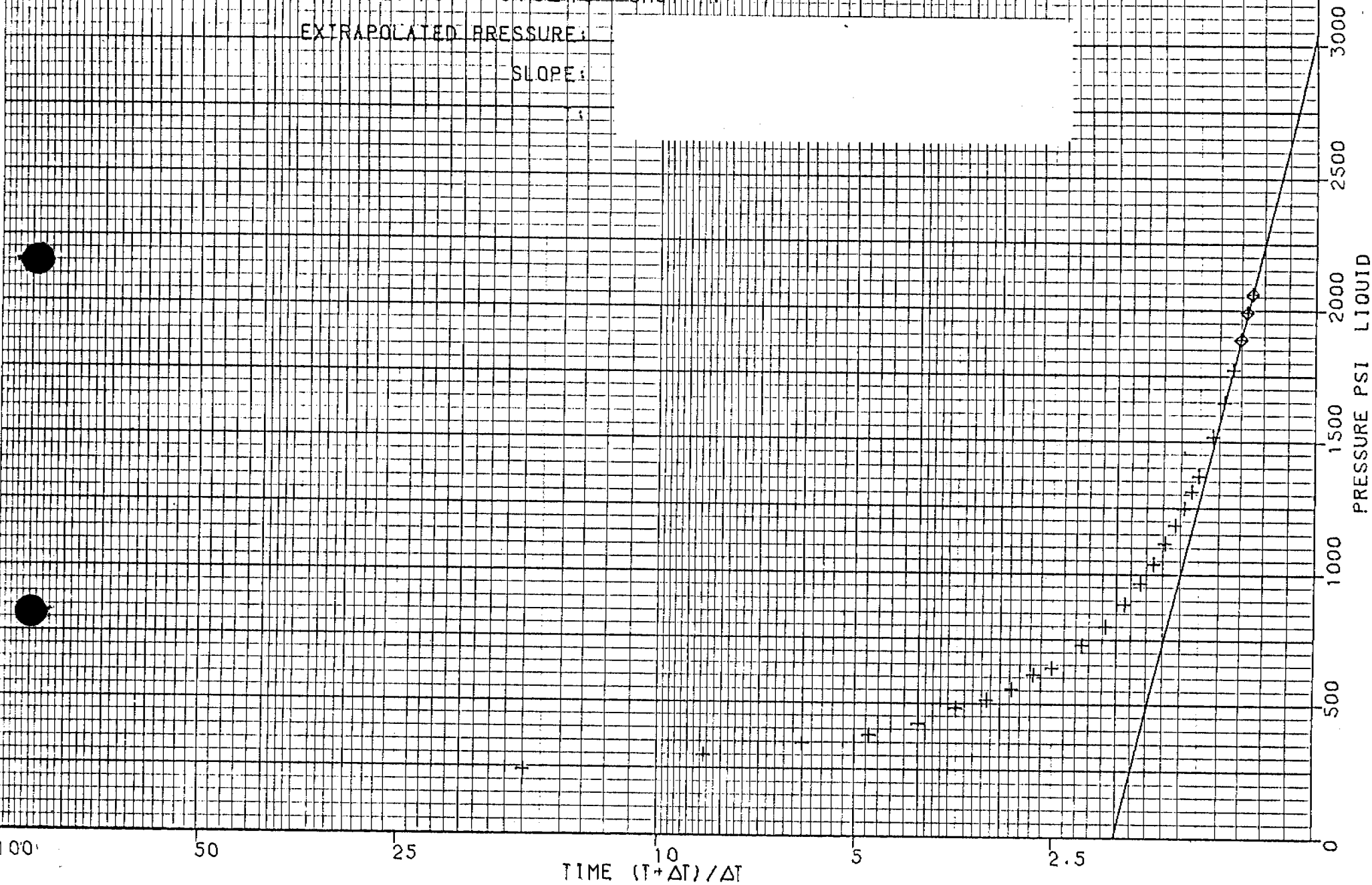
DST-NO: 002

REC-NO: 010240

SHUT-IN: )

EXTRAPOLATED PRESSURE:

SLOPE:



# HORNER PLOT

TEST DATE: 01 08 80

WELL NAME: FEDERAL 4-5

LOCATION:

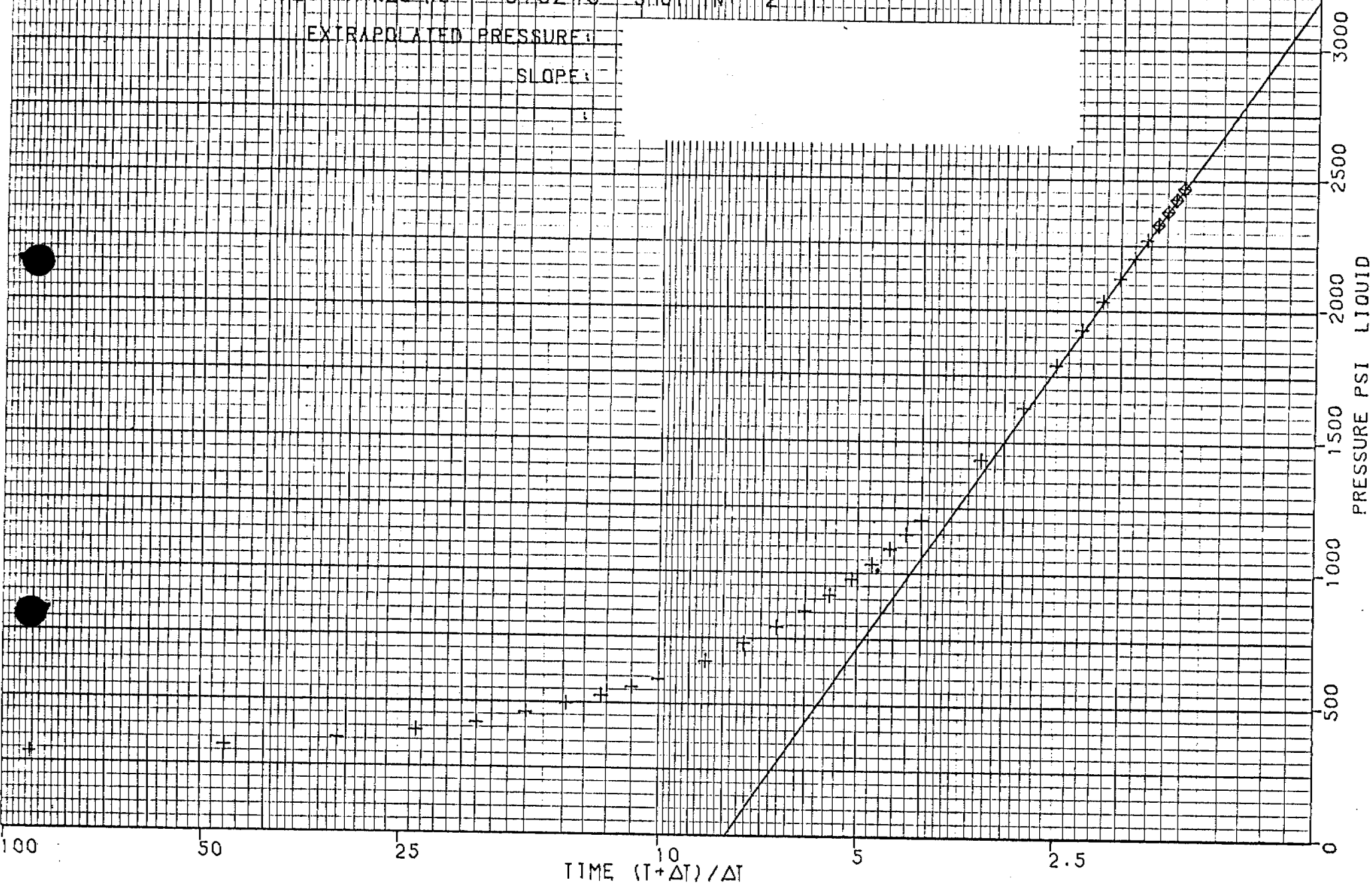
DST-NO: 002

REC-NO: 010240

SHUT-IN: 2

EXTRAPOLATED PRESSURE:

SLOPE:



# LYNES, INC.

## Gas Volume Report

Pacific Transmission  
 Operator Supply Company Lease & No. Federal #4-5 DST No. 2

### Final Flow:

Min.	PSIG	Orifice Size	MCF/D	Min.	PSIG	Orifice Size	MCF/D
5	45	1/4"	82.7				
10	44	"	81.2				
15	40	"	75.8				
20	39	"	74.4				
25	38	"	73.0				
30	38	"	73.0				
35	37	"	71.8				
40	36	"	70.3				
45	35	"	69.0				
50	33	"	66.2				
55	31	"	63.2				
60	31	"	63.2				
65	31	"	63.2				
70	31	"	63.2				
75	30	"	61.9				

Remarks:

# LYNES, INC.

## Sampler Report

Company Pacific Transmission Supply Co. Date 1-8-80  
Well Name & No. Federal #4-5 Ticket No. 20666  
County Uintah State Utah  
Test Interval 6330-6563' DST No. 2

Total Volume of Sampler: 2100 cc.

Total Volume of Sample: 900 cc.

Pressure in Sampler: 85 psig

Oil: None cc.

Water: None cc.

Mud: 900 cc.

Gas: .10 cu. ft.

Other: None

Sample R.W.: .06 @ 70°F = 145,000 ppm. chl.

### Resistivity

Make Up Water 1.6 @ 65°F of Chloride Content 4000 ppm.

Mud Pit Sample .06 @ 65°F of Chloride Content 160,000 ppm.

Gas/Oil Ratio \_\_\_\_\_ Gravity \_\_\_\_\_ °API @ \_\_\_\_\_ °F

Where was sample drained On location.

Remarks: \_\_\_\_\_

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other
2. NAME OF OPERATOR  
Pacific Transmission Supply Company
3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, Wyoming 82602
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1620' from south line, 1020' from  
AT TOP PROD. INTERVAL: east line, NE 1/4 SE 1/4,  
AT TOTAL DEPTH: Section 5, T10S, R23E
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input type="checkbox"/>		<input type="checkbox"/>
(other) Weekly Operations Report	<input checked="" type="checkbox"/>		<input checked="" type="checkbox"/>

5. LEASE  
U-33433
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME  
Federal
9. WELL NO.  
4-5
10. FIELD OR WILDCAT NAME  
Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T10S, R23E
12. COUNTY OR PARISH  
Uintah
13. STATE  
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5315' KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

January 6 thru 12, 1980:

Drilled 7-7/8" hole 6093'-6563'. DST no. 1 6214'-6563' misrun. No packer seat. DST no. 2 6329'-6563'. Final gas volume 62 MCF/D and final shut in pressure 2546 psi.

Drilled 7-7/8" hole 6563'-7884'. Circulated and conditioned hole and mud for drill stem testing.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. J. Firth TITLE Petroleum Engineer DATE January 23, 1980

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

Approved.  
Budget Bureau No. 42-R1424

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒  
well well other

2. NAME OF OPERATOR  
Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, WY 82602

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: 1620' from south line, 1020' from  
AT TOP PROD. INTERVAL: east line, NE 1/4 SE 1/4,  
AT TOTAL DEPTH: Section 5, T10S, R23E

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) Weekly Operations Report <input checked="" type="checkbox"/>	

5. LEASE  
U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
4-5

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Section 5, T10S, R23E

12. COUNTY OR PARISH  
Uintah

13. STATE  
Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5315' KDB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

January 13 thru 19, 1980:

Circulated and conditioned mud and hole for drillstem testing. Drillstem testing operations deferred due to unsatisfactory hole conditions. Drilled 7-7/8" hole 7884'-7972'. Tripped for new bit to continue drilling. Drilled 7-7/8" hole 7972'-8675'. Deviation survey 2-1/4" at 7883'. Sample top Castlegate formation at 8575'.

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED R. J. Firth TITLE Petroleum Engineer DATE January 24, 1980

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

JAN 28 1980

# NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS  
308 DURBIN CENTER BUILDING  
145 SOUTH DURBIN STREET  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027

## GEOLOGICAL WELL REPORT

PACIFIC TRANSMISSION SUPPLY COMPANY

SOUTHMAN CANYON PTS #4-5 FEDERAL

SECTION 5, TOWNSHIP 10 SOUTH, RANGE 23 EAST

UINTAH COUNTY, UTAH

Submitted by:  
Erik Enquist  
Geologist  
Natural Gas Corporation  
January 30, 1980

WELL DATA

Operator: Pacific Transmission Supply Company  
Legal Location: 1620'FSL, 1020'FEL  
Well Name: -PTS #4-5 Federal  
County and State: Uintah County, Utah  
Elevations: 5302' Gr; 5315' K.B.  
Contractor: Olsen Drilling Company, Rig #2

Spud Date: Dry Hole 11/25/79 Drilling Contractor: 12/16/79

Surface Casing: 13-3/8" to 200'

Hole Size: 17-1/2" to 200', 12-1/4" to 2500', 7-7/8" to 8875'

Fluids Contractor: D.M.I., Vernal, Utah

Drillstem Tests: DST #1:6214-6563 Misrun DST#2:6330-6563;BHT:164Deg;IF:15min.,  
ISIP:60 min, FF:75 min., FSIP:150 min; IH:3133;FH:3113;  
IF-1:231, FF-1:231, IF-2:254, FF-2:231, SIP-1:2159, SIP-2:2546;  
Rec: 61.9 MCFD and 637' GCM

Logging Data: 2465'-BHC- Sonic W/GR and caliper, CFD W/GR and caliper,  
Dual Induction- SFL W/SP

8875'-BHC- Sonic W/GR and caliper, CNFD W/GR and caliper,  
Dual Laterolog W/GR

Mud Logging: Rocky Mountain Engineering Company

Cores:

Total Depth: 8875' - Driller  
8870' - Logger

Ceased Drilling: 1/22/80. Released rig 1/28/80



CHRONOLOGICAL WELL HISTORY

<u>Date</u>	<u>Drilled to</u>	<u>Hours Drilling</u>	<u>Activity</u>
11-24-79	200'		Drilled and reamed dry hole to 17-1/2"; dropped jackhammer down hole; 15 days fishing for jackhammer and stuck pipe; set 13-3/8" casing and cement; nipples up
12-15-79			Pressure test B.O.P.'s; drilling
12-16-79	386'	8-1/2	Drilling
12-17-79	755'	16-1/4	Drilling; trip for bit #2
12-18-79	770'	14-1/4	Drilling; trip for bit #3
12-19-79	1380'	18-1/2	Drilling; lost circulation problem
12-20-79	1583'	2-1/4	Drilling; lost circulation problem; trip to set cement plug
12-21-79	2021'	18-1/4	set 3 cement plugs
12-22-79	2021'	0	setting cement plugs; W.O.C.
12-23-79	2021'	0	Drilling.
12-24-79	2442'	12-1/4	Drilling; trip out to run logs; logging
12-25-79	2500'	1-1/2	Shut down for holiday.
12-26-79	2500'	0	Ran 9-5/8" casing, set. cement; W.O.C.
12-27-79	2500'	0	W.O.C.; nipple up; pressure test B.O.P.'s
12-28-79	2500'	0	Pressure test; drill out cement; drilling
12-29-79	2971'	12-1/4	Drilling
12-30-79	3561'	21-3/4	Drilling
12-31-79	4061'	22	Drilling
1-1-80	4442'	20-3/4	Drilling
1-2-80	4818'	19-3/4	Drilling
1-3-80	5226'	21-1/2	Drilling
1-4-80	5646'	22-1/4	Drilling
1-5-80	5830'	11-3/4	Drilling; trip for bit #5
1-6-80	6093'	19-3/4	Drilling
1-7-80	6516'	21	Drilling
1-8-80	6563'	2	Drilling; circulate and trip out for DST #1; DST #1 misrun; trip for DST #2
1-9-80	6563'	0	Ran DST #2; rig repairs
1-10-80	6891'	16-3/4	Drilling.
1-11-80	7380'	22-1/2	Drilling.
1-12-80	7856'	22-1/2	Drilling.
1-13-80	7884'	2	Drilling; circulate and condition hole for DST; well kicked at start of trip; continuing circulating and conditioning mud.

CHRONOLOGICAL WELL HISTORY (continued)

<u>Date</u>	<u>Drilled to</u>	<u>Hours Drilling</u>	<u>Activity</u>
1-14-80	7935'	6	Lost circulation; conditioning mud w/LCM; drilling
1-15-80	7972'	5-1/2	Drilling; trip for bit #7.
1-16-80	8014'	5-1/2	Pipe stuck during trip; condition hole; drilling.
1-17-80	8177'	22-1/4	Drilling.
1-18-80	8395'	23	Drilling.
1-19-80	8575'	22	Drilling.
1-20-80	8675'	21-3/4	Drilling.
1-21-80	8747'	6-1/4	Trip for bit #8; Drilling.
1-22-80	8875'	14-3/4	Drilling; trip out for logs.
1-23-80	8875'	0	Logging.

# BIT RECORD

<u>Bit No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth In</u>	<u>Depth Out</u>	<u>Footage</u>	<u>Hours</u>
1	12-1/4"			0'	200'	200'	
2	12-1/4"	STC	F-4	200'	770'	570'	32-3/4
3	12-1/4"	STC	DTJ	770'	1380'	610'	18-1/2
4	12-1/4"	HTC	J44	1380'	2500'	1120'	34-1/4
5	7-7/8	STC	F45	2500'	5686'	3186'	143
6	7-7/8"	STC	F45	5686'	6563'	877'	51-3/4
7	7-7/8"	STC	F3	6563'	7972'	1409'	75-1/4
8	7-7/8"	HTC	J33	7972'	8680'	708'	85
9	7-7/8"	STC	F3	8680'	8875'	195	20-1/2

# DEVIATION SURVEY

<u>Depth</u>	<u>Deviation</u>
179'	1 deg.
304'	3/4 Deg.
428'	3/4 Deg.
589'	1/4 Deg.
1380'	3/4 Deg.
2026'	1/2 Deg.
3030'	1-3/4 Deg.
3187'	1 Deg.
3311'	1-1/4 Deg.
3489'	1-1/4 Deg.
3781'	3/4 Deg.
3874'	1 Deg.
4020'	3/4 Deg.
4249'	3/4 Deg.
4404'	1/4 Deg.
4563'	1 Deg.
4717'	1 Deg.
4872'	1/4 Deg.
5310'	1 Deg.
6563'	1-1/4 Deg.
7883'	2-1/4 Deg.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 5, T10S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5315' KDB

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

REPAIRING WELL

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Weekly Operations Report(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

January 20 thru 26, 1980:

Drill 7-7/8" hole 8675'-8875'. Condition hole for logging. Ran electric logs: DLL 2495'-8856', BHC 2495'-8868' & CNL-FDC 2495'-8868'. Condition hole prior to running casing. Ran 226 jts. 5-1/2" 17# N8Q production casing with guideshoe, float collar and stage collar. Land casing at 8870'. Cemented thru shoe with 275 sacks RFC and 100 sacks Class G and thru stage collar at 7500' with 500 sacks RFC. Job completed 3:30 p.m., 1/24/80. Released rotary drilling rig. WOCR.

18. I hereby certify that the foregoing is true and correct

SIGNED

R. J. Firth

TITLE

Petroleum EngineerJAN 31 1980  
DATE

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DIVISION OF  
OIL, GAS & MINING

**PACIFIC TRANSMISSION SUPPLY COMPANY**  
**Natural Gas Corporation of California**

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

March 7, 1980

Mr. E. W. Gynn (3)  
GEOLOGICAL SURVEY-CONSERVATION DIV.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Frank M. Hamner (1)  
DIVISION OF OIL, GAS AND MINING  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Clifford Cone (1)  
P.O. Box 6010  
Lubbock, TX 79413

Mr. R. W. Sharp (1)  
ENSERCH EXPLORATION, INC.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

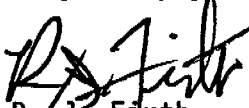
Mr. J. Milton Wege (1)  
RALPH E. DAVIS & ASSOCIATES  
500 Jefferson, Suite 2031  
Houston, TX 77002

Re: PTS #4-5 Federal  
NE 1/4 SE 1/4, Section 5, T10S, R23E  
Uintah County, UT

Gentlemen:

Enclosed are your required number of copies of Form 9-331, Sundry Notices and Reports on Wells, Request for Approval to Perform Completion Operations dated March 7, 1980 for the above referenced well.

Very truly yours,

  
R. J. Firth  
Petroleum Engineer

RJF/kh

Encls.

cc: J. L. Wroble  
E. R. Henry  
E. E. Mulholland  
C. T. Clark (Cover Letter Only)

**RECEIVED**  
MAR 10 1980

DIVISION OF  
OIL, GAS & MINING

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLI  
(Other instructions  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 5, T10S, R23E

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

1.

OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Pacific Transmission Supply Company

3. ADDRESS OF OPERATOR

P.O. Box 3093, Casper, WY 82602

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*

See also space 17 below.)

At surface

1620' FSL, 1020' FEL, NE 1/4 SE 1/4, Section 5, T10S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5315' KDB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(Other) Perform Completion Operations X

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator proposes to commence completion operations as outlined in the attached Completion Procedures. No surface disturbance or damage will result from these operations with a completion rig. Operations are expected to commence about March 12, 1980 and will continue for approximately 20 days.

APPROVED BY THE DIVISION OF  
OIL, GAS, AND MINING

DATE: 3/11/80

BY: W. F. FirthRECEIVED  
MAR 10 1980DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

R. F. Firth

TITLE

Petroleum Engineer

DATE

March 7, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

COMPLETION PROGRAM  
PTS #4-5 Federal

Well Name: PTS #4-5 Federal

Location: NE 1/4 SE 1/4, Section 5, T10S, R23E, Uintah County, UT

Elevation: 5302' gr.  
5315' KB.

ID: 8875'

PBTD: 8825' est.

Production Casing: 5-1/2", 17.0#, N-80 landed with guide shoe at 8870', float collar at 8827', cement stage collar at 7500' and 8 centralizers.

1.03'	Guide Shoe
39.30'	Shoe Jt.
1.63'	Fillup float collar
1335.33'	34 Jts. casing
1.67'	Cement stage collar
7505.25'	191 Jts. casing
8884.21	Total
13.70	Above KB
8870.51	Casing at KB

Cemented thru shoe with 275 sacks RFC with 5#/sx Kolite and 0.1% retarder and 100 sacks Class G cement with 0.2% retarder. Displaced 82 bbls. 13.9#/gal. and 20 bbls. 15.8#/gal. cement slurry with 218 bbls. mud. Preceded cement slurry with 10 bbls. pre-flush and 10 bbls. mud flush. Bumped plug with 1700#. Float held. Good circulation throughout job.

Cemented thru stage collar with 500 sacks RFC with 5#/sx Kolite and 0.1% retarder. Displaced 149 bbls. 13.9#/gal. cement slurry with 188 bbls. mud. Preceded cement slurry with 10 bbls. preflush and 10 bbls. mud flush. Bumped plug with 2500#. Float held. Good circulation throughout job.

Casing data: 5 1/2", 17.0#, N-80

Collapse strength	6280 psi
Burst strength	7740 psi
Casing capacity	.0232 bbls/ft.
Casing annulus capacity	
w/2-7/8" tubing	.0152 bbls/ft.
Tubing capacity	.00579 bbls/ft.

Completion Procedure  
PTS #4-5 Federal  
Castlegate Formation

- 1) Cut off 5-1/2" casing, install tubing head assembly and pressure test.
- 2) Move in completion unit and equipment.
- 3) Nipple up 6" - 5000 psi BOP equipment and pressure test BOP equipment.
- 4) PU 4-3/4" bit and scraper and tally in hole w/2-7/8" tubing.
- 5) Drill cement and stage collar at 7500'. Continue to tally in hole w/ 2-7/8" tubing and clean out to PBTD.
- 6) Displace hole w/clean 2% KCl after cleaning out to PBTD. (185 bbls. required to displace hole)
- 7) Pressure test casing to 4000 psi for 15 minutes.
- 8) Trip out of hole with tubing, scraper and bit.
- 9) RU electric logging equipment. Run CBL w/GR collar log from PBTD and stage collar to cement tops.
- 10) RIH w/tubing and packer to about 8600'. Set packer and RU wireline equipment to perforate.
- 11) Perforate Castlegate interval w/thru tubing perforating equipment 8658'-76' (18') w/1 SPF (CNL/FDC log depths). RD wireline equipment and RU swab and flow equipment.
- 12) Swab and flow test perforated interval to obtain accurate rate and volume information. RU equipment to acidize. Acidize thru perforations 8658'-76' w/2000 gallons 15% mud acid. Swab and flow test.
- 13) Following a sufficient flow testing period, analyze results pertaining to water production to determine further completion procedures:
  - a) Excessive water production would necessitate squeezing interval thru perforations or setting a cast iron bridge plug in the casing depending upon the integrity of the CBL.
  - b) Minor water production would allow additional perforating and completion of the upper Castlegate interval to continue by using a retrievable bridge plug and packer.
- 14) Circulate well w/KCl water and pull tubing and packer. Run in hole w/tubing, packer and retrievable bridge plug. Weighted KCl water may be required while tripping tubing and tools. Set BOP at 8645'-50' and packer at about 8500'.



- 15) RU wireline equipment to perforate. Perforate Castlegate intervals w/thru tubing perforating equipment as follows: (CNL/FDC log depths)
- |           |       |       |
|-----------|-------|-------|
| 8570'-76' | (6')  | 1 SPF |
| 8590'-94' | (4')  | 1 SPF |
| 8608'-20' | (12') | 1 SPF |
- RD wireline equipment and RU swab and flow equipment.
- 16) Swab and flow test perforated interval and obtain accurate rate and volume information. RU equipment to acidize. Acidize thru perforated intervals 8570'-8620' w/2500 gallons 15% mud acid using ball sealers to assure all perforations are taking fluid. Swab and flow test.
- 17) Following a sufficient flow testing period, analyze results to determine further completion procedures. Fracturing operations may be warranted if gas volumes are sufficient and water production is not excessive. The entire Castlegate interval should be considered for fracturing operations.
- 18) After completing stimulation and testing of the Castlegate interval, further completion operations should be conducted in the Mesaverde formation.

Completion Procedure  
PTS #4-5 Federal  
Mesaverde Formation

- 1) After completion operations of the Castlegate formation are concluded; selective Mesaverde intervals should be perforated, acidized and flow tested. Frac operation procedures for the Mesaverde intervals may then be formulated following evaluation of the individual interval test results.
- 2) The following intervals are recommended for perforating, acidizing and flow testing:
  - a) 8393'-8410' (17') w/ 1 SPF
  - b) 8300'-18' (18') w/ 1 SPF
  - c) 7620'-28' (8') w/ 1 SPF  
7514'-26' (12') w/ 1 SPF
  - d) 7468'-78' (10') w/ 1 SPF  
7420'-38' (18') w/ 1 SPF

Perforating depths are from the Schlumberger CNL-FDC log and should be correlated with the Gamma Ray Collar log prior to perforating.

- 3) Utilize a packer and retrievable bridge plug for interval isolation while performing these operations. Ball sealers should be used during acidizing operations to divert fluid to the entire perforated intervals. Accurate flow test information should be obtained for each interval.

2/25/80

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 5, T10S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DP, RT, GR, etc.)

5315' KDB

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FULL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Plug-back Operations

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 8875' PBD 8770'

5-1/2", 17.0#, N-80 production casing at 8870' with stage cementing collar at 7496'. Cemented thru shoe with 375 sacks cement and thru stage cementing collar with 500 sacks cement.

Perforated lower Castlegate formation 8658'-76' (18'), 1 SPF. Acidized thru perforated interval with 2000 gals. 7-1/2% HCl acid. Swabbed and flow tested at 21 bph water and gas volume TSTM. Ran Fluid Flow Tracer survey log. Log indicated excessive water production channeling from below perforated interval. Squeeze cemented thru perforations 8658'-76' with 100 sacks cement. Drilled cement and perforated 8658'-64' (6'), 1 SPF. Acidized thru perforated interval with 500 gals. 7-1/2% HCl acid. Swab tested well. Swab rate 1-2 bbls. per hr. with overnight fillup in tubing approx. 30 bbls. Gas volume, weak gas blow. Set cement retainer at 8650'. Squeeze cemented perforations 8658'-64' with 35 sacks cement. Prep. to continue completion operation in upper Castlegate formation. Above described plug-back operation procedures discussed with and approved by Mr. E. W. Guynn, U.S.G.S. on April 8, 1980.

RECEIVED  
APR 14 1980

18. I hereby certify that the foregoing is true and correct

SIGNED

R. J. Firth

TITLE Petroleum Engineer

DIVISION OF  
OIL, GAS & MINING  
DATE 4-11-80

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS-SLC,UT; 1-Div. of OG&amp;M; 1-Mr. Clifford Cone; 1-Enserch Exploration; 1-Ralph E. Davis; 1-JLWroble; 1-WRHenry; 1-EEMulholland; 1-File

\*See Instructions on Reverse Side

### FORMATION TOPS

	<u>Sample</u>	<u>Log</u>	<u>Datum</u>
Wasatch	4080'	4200'	+1115'
Y-Marker	5890'	5886'	-571'
Mesaverade			
Farrer Facies	6210'	6206'	-891'
Neslen Coal Facies	6940'	6932'	-1617'
Buck Tongue	8465'	8476'	-3161'
Castlegate	8575'	8569'	-3254'
Mancos	8760'	8752'	-3437'

### LOG ANALYSIS

See next page

### SAMPLE DESCRIPTIONS

May be obtained from hydrocarbon well log

LOG ANALYSIS

DEPTH	Porosity- Density	Porosity- Neutron	Porosity- Sonic	R <sub>T</sub>	R <sub>W</sub>	Q - Factor	% Por.	% Water	Remarks
8570-78	13	10	13	23	.15	0	13	57	Gas
8592	14	6	14	60	.15	0	14	33	Gas
8609	11	6	12	28	.15	.08	11	62	Gas
8615-20	13	5	125	40	.15		13	43	Gas
8632-36	9	6	9	80	.15	0	9	45	Gas
8655-72	11	9	11	40	.15	0	11	52	Gas
8672-78	13	10	11	29	.15		13	51	Gas
8692-98	11	12	12	21	.15	.08	11	71	Gas
8393-98	13	11	13.5	27	.15	.04	13	53	Gas
8402-10	13	13	14	23	.15	.07	13	57	Gas
8378	9	8	12	80	.15	.25	9	45	Gas
8300-20	15	12	15	38	.15	0	15	38	Gas
8268	13	11	14	60	.15	.07	15	36	Gas
8210-15	13	8	12	50	.15		13	39	Gas
8025-32	12	9	13	38	.15	.08	12	48	Gas
7895	17	7	13	80	.15		17	23	Gas
7808	16	11	15	38	.15		16	35	Gas
7768	14	7	12	38	.15		14	41	Gas
7650	10	4	9	220	.15		10	24	Gas
7622	18	5	14	110	.15		18	18	Gas
7564-76	17	6	14	65	.15		17	25	Gas

## DRILL STEM TESTS

Dst #1; 6214'-6563'

Misrun.

Dst #2: 6330'-6563'

Blow Description: 1st Flow: Tool opened with a very strong blow, increased to bottom bucket in 45 seconds and continued to increase to 11.0 psi at end of flow period. After shut-in, gas to surface in 10 minutes.

2nd Flow: Tool opened with gas to surface. Final flow commenced at 82.7 MCF/D and decreased to 61.9 MCF/D after 75 min. using 1/4" choke. Recovered 637' of gas cut mud (i.e., 5.53 bbl). Res: top sample-.08 @ 65 deg.F, middle sample-.06 @ 65 deg.F, bottom sample-.06 @ 70 deg.F

<u>Pressures:</u>	I.H.	3133#
	F.H.	3113#
	I.F.-1	231# (15 min)
	F.F.-1	231# (75 min)
	I.F.-2	254# (15 min)
	F.F.-2	231# (75 min)
	I.S.I.P.	2159# (60 min)
	F.S.I.P.	2546# (150 min)
	B.H.T.	164 Deg.

### Sample Chamber Recovery:

.10 cu.ft. gas, 900cc mud with 85 psig in sampler; Res.--.06 @ 70 deg. F

### Drilling Mud Properties:

Wt.-9.3, Vis.-28, Res.--.06 @ 65 deg.F. Drill Water: Res.-1.6 @ 65 Deg.F.

Natural Gas Corporation of California  
 #4-5 Federal  
 Attachment to Well Completion Report

31. Perforation Record

7420'-38'	(18')	1 SPF
7468'-78'	(10')	1 SPF
7564'-76'	(12')	1 SPF
7620'-28'	( 8')	1 SPF
Cast Iron Bridge Plug @ 8520' w/4 sk cement		
8300'-18'	(18')	1 SPF
8393'-8410'	(17')	1 SPF Squeezed w/35 sk cement
8570'-76'	( 6')	1 SPF
8590'-94'	( 4')	1 SPF Squeezed w/75 sk cement
8608'-20'	(12')	1 SPF
8658'-64'	( 6')	1 SPF Squeezed w/35 sk cement
8658'-76'	(18')	1 SPF Squeezed w/100 sk cement

32. Acid, Shoot, Fracture, Cement Squeeze, Etc.

<u>Depth</u>	<u>Material</u>
7420'-38' & 7468'-78'	2500 gals. 7½% acid.
7564'-76' & 7620'-28'	2500 gals. 7½% acid.
8300'-18'	1500 gals. 7½% acid.
8393'-8410'	1500 gals. 7½% acid.
8570'-76', 8590'-94' and 8608'-20'	2500 gals. 7½% acid.
8658'-64'	500 gals. 7½% acid.
8658'-76'	2000 gals. 7½% acid.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 5, T10S, R23E

12. COUNTY OR PARISH 18. STATE

Uintah

Utah

1. OIL ☐ GAS ☒ OTHER ☐  
WELL WELL
2. NAME OF OPERATOR  
Pacific Transmission Supply Company
3. ADDRESS OF OPERATOR  
P.O. Box 3093, Casper, WY 82602
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface  
1620' FSL, 1020' FEL, NE 1/4 SE 1/4, Section 5, T10S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5315' KDB

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

FULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

Plug-back Operations

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 8875'. PBTD 8650' (Cement retainer). 5-1/2", 17.0#, N-80 production casing at 8870' with stage cementing collar at 7496'. Cemented thru shoe with 375 sacks cement and thru stage cementing collar with 500 sacks cement.

Perforated upper Castlegate formation 8608'-20' (12'), 8590'-94' (4') and 8570'-76' (6'), 1 SPF. Acidized with 2500 gals. 7-1/2% HCl acid using 30 ballsealers at 5 bpm and 4200 psig. Swabbed and flow tested at 4-5 bph water and 2' gas flare TSTM. Squeeze cemented with 75 sacks cement thru perforations and left cement in 5-1/2" casing to 8500'. Prepare to continue completion operations of Mesaverde formation. Above described plug-back operation procedures discussed with Mr. R. A. Hendricks, United States Geological Survey, April 24, 1980.

RECEIVED  
MAY 5 1980DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

R. A. Firth

TITLE

Petroleum Engineer

DATE

May 2, 1980

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, UT; 1-Div. of OG&M, UT; 1-Mr. C. Cone; 1-Enserch; 1-Ralph Davis; 1-JLWroble;  
1-ERHenry; 1-EEMulholland; 1-Rod Boschee; 1-File

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPlicate  
(Other instructions on re-  
verse side)Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 5, T10S, R23E

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, OR, etc.)

5315' KDB

12. COUNTY OR PARISH

Uintah

18. STATE

Utah

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANS

(Other)

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

REPAIRING WELL

☐  
☐  
☐

FRACTURE TREATMENT

ALTERING CASING

SHOOTING OR ACIDIZING

ABANDONMENT\*

(Other) Plug-Back Operations

☒(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TD 8875'. PBTD 8500'.

5-1/2", 17.0#, N-8Q production casing at 8870' with stage cementing collar at 7496'. Cemented thru shoe with 375 sacks cement and thru stage cementing collar with 500 sacks cement.

Perforated lower Mesaverde formation 8393'-8410' (17') with 1 SPF. Acidized with 1500 gals. 7-1/2% HCl acid using no ball sealers at 5-1/2 bpm at 3700 psig. Swabbed and flow tested at 1 bph water and gas flare TSTM. Cemented perforations with 35 sacks cement with cement in 5-1/2" casing to 8360'. Prepare to continue completion operations - Mesaverde formation.

Above described plug-back operation procedures discussed with Mr. W. P. Martens, United States Geological Survey, May 2, 1980.

RECEIVED  
MAY 16 1980

18. I hereby certify that the foregoing is true and correct

SIGNED

ORIGINAL SIGNED

BY: R. J. FIFTH

R. J. FIFTH

TITLE

Petroleum Engineer

DATE

DIVISION OF  
MAY 9 1980  
OIL, GAS & MINING

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

3-USGS, SLC, UT; 1-OG&amp;M, UT; 1-Mr. Cone; 1-Enserch; 1-Ralph Davis; 1-JLWroble; 1-ERHenry; 1-EEMulholland; 1-R. Boschee

\*See Instructions on Reverse Side

# NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS  
308 DURBIN CENTER BUILDING  
145 SOUTH DURBIN STREET  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027  
May 21, 1980

Mr. E. W. Guynn  
GEOLOGICAL SURVEY-CONSERVATION DIV.  
2000 Administration Bldg.  
1745 W. 1700 S.  
Salt Lake City, UT 84104

Mr. J. Milton Wege  
RALPH E. DAVIS & ASSOCIATES  
500 Jefferson, Suite 2031  
Houston, TX 77002

Mr. Frank Hamner  
DIVISION OF OIL, GAS & MINING  
1588 West North Temple  
Salt Lake City, UT 84116

Clifford Cone  
P. O. Box 6010  
Lubbock, TX 79413

Mr. R. W. Sharp  
ENSERCH EXPLORATION, INC.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Re: PTS #4-5 Federal Southman Canyon  
Sec. 5, T10S, R23E  
Uintah County, UT

Gentlemen:

I am enclosing your required number of copies of the Water Analysis  
Reported dated May 15, 1980, for the above referenced well.

Yours truly,



W. A. Ryan  
Regulatory Coordinator

/pv

Encl.

cc: J. C. Osmond  
E. R. Henry  
R. J. Firth  
R. Boschee  
C. T. Clark (Cover Letter Only)

**RECEIVED**  
MAY 23 1980

DIVISION OF  
OIL, GAS & MINING

## CHEMICAL &amp; GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

MAY 21 1980

NGC-CASPER

## WATER ANALYSIS REPORT

OPERATOR Natural Gas Corp. of California DATE May 15, 1980 LAB NO. 34084-2  
 WELL NO. 4-5 Federal LOCATION SESE 5-10S-23E  
 FIELD Southman Canyon FORMATION Castlegate  
 COUNTY Uinta INTERVAL 8658-8676  
 STATE Utah SAMPLE FROM Swabbing (March 28, 1980)

## REMARKS &amp; CONCLUSIONS:

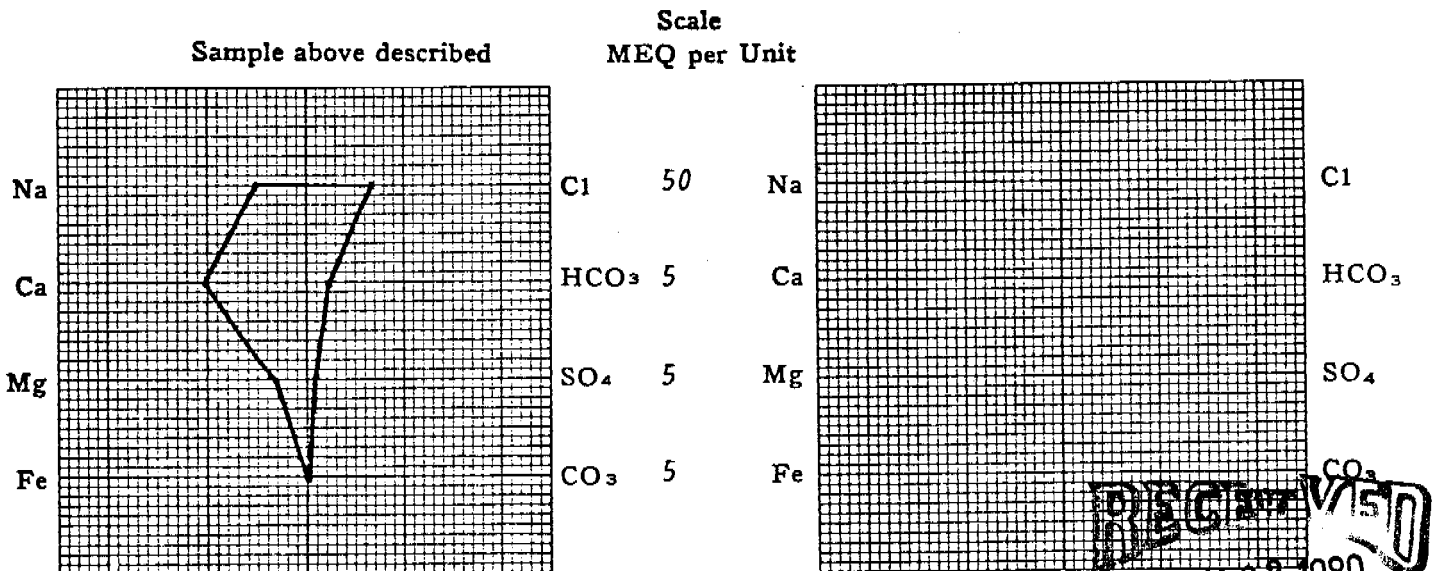
Cations	mg/l	meq/l	Anions	mg/l	meq/l
Sodium	6711	291.92	Sulfate	320	6.66
Potassium	150	3.84	Chloride	12200	344.04
Lithium	-	-	Carbonate	-	-
Calcium	1004	50.10	Bicarbonate	708	11.60
Magnesium	200	16.44	Hydroxide	-	-
Iron	-	-	Hydrogen sulfide	-	-
Total Cations		362.30	Total Anions		362.30

Total dissolved solids, mg/l - - - - - 20933  
 NaCl equivalent, mg/l - - - - - 20766  
 Observed pH - - - - - 7.5

Specific resistance @ 68°F.:

Observed - - - - - 0.322 ohm-meters  
 Calculated - - - - - 0.324 ohm-meters

## WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)

NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter

Sodium chloride equivalent=by Dunlap &amp; Hawthorne calculation from components

DIVISION OF  
OIL, GAS & MINING

# NATURAL GAS CORPORATION OF CALIFORNIA

OPERATIONS HEADQUARTERS  
308 DURBIN CENTER BUILDING  
145 SOUTH DURBIN STREET  
P. O. BOX 3093  
CASPER, WYOMING 82602  
(307) 265-1027

May 27, 1980

Mr. E. W. Guynn  
GEOLOGICAL SURVEY-CONSERVATION DIV.  
2000 Administration Bldg.  
1745 W. 1700 S.  
Salt Lake City, UT 84104

CLIFFORD CONE  
P. O. Box 6010  
Lubbock, TX 79413

Mr. Frank Hamner  
DIVISION OF OIL, GAS & MINING  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. R. W. Sharp  
ENSERCH EXPLORATION  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Re: PTS #4-5 Federal  
Sec. 5, T10S, R23E  
Uintah County, UT

Gentlemen:

Please find enclosed your required number of copies of the  
Water Analysis Report from Chemical & Geological Laboratories  
dated May 15, 1980, for the above referenced well.

Yours truly,



W. A. Ryan  
Regulatory Coordinator

WAR/pv

Encl.

cc: J. C. Osmond  
E. R. Henry  
R. J. Firth  
DeGolyer & MacNaughton  
R. Boschee  
C. T. Clark (Cover Letter Only)



Copies to: RJFirth  
RDCrum  
JDBush

# CHEMICAL & GEOLOGICAL LABORATORIES

P. O. Box 2794  
Casper, Wyoming

MAY 21 1980

NGC-CASPER

## WATER ANALYSIS REPORT

OPERATOR Natural Gas Corp. of California DATE May 15, 1980 LAB NO. 34084-2  
WELL NO. 4-5 Federal LOCATION SESE 5-10S-23E  
FIELD Southman Canyon FORMATION Castlegate  
COUNTY Uinta INTERVAL 8658-8676  
STATE Utah SAMPLE FROM Swabbing (March 28, 1980)

### REMARKS & CONCLUSIONS:

Cations	mg/l	meq/l
Sodium	6711	291.92
Potassium	150	3.84
Lithium	-	-
Calcium	1004	50.10
Magnesium	200	16.44
Iron	-	-
Total Cations	-	362.30

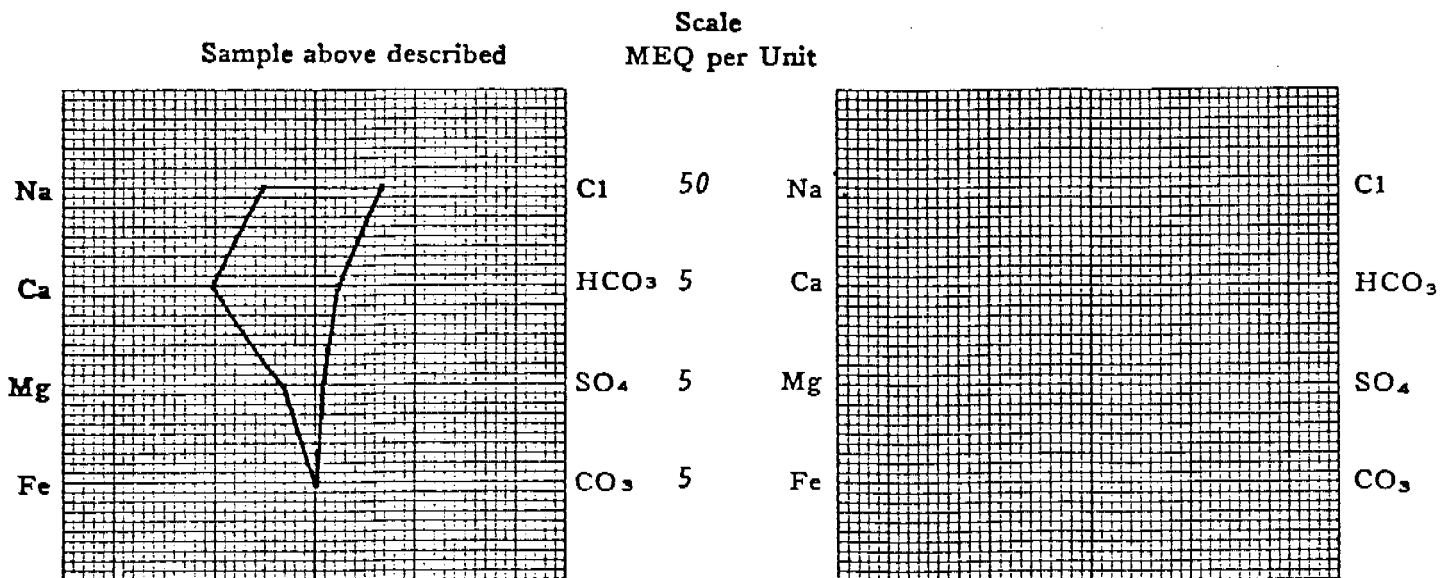
Anions	mg/l	meq/l
Sulfate	320	6.66
Chloride	12200	344.04
Carbonate	-	-
Bicarbonate	708	11.60
Hydroxide	-	-
Hydrogen sulfide	-	-
Total Anions	-	362.30

Total dissolved solids, mg/l - - - - 20933  
NaCl equivalent, mg/l - - - - 20766  
Observed pH - - - - 7.5

Specific resistance @ 68°F.:

Observed - - - - 0.322 ohm-meters  
Calculated - - - - 0.324 ohm-meters

### WATER ANALYSIS PATTERN



(Na value in above graphs includes Na, K, and Li)  
NOTE: Mg/l=Milligrams per liter Meq/l= Milligram equivalents per liter  
Sodium chloride equivalent=by Dunlap & Hawthorne calculation from components

**NATURAL GAS CORPORATION  
OF CALIFORNIA**

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

November 19, 1980

Mr. E. W. Gynn  
U. S. Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Frank M. Hamner  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206  
Attn: Bob Gilmore

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

Mr. Richard Smith  
Enserch Exploration, Inc.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Re: PTS #4-5 Federal  
NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 5, T10S, R23E  
Uintah County, Utah

Gentlemen:

Enclosed are your copies of the Well Completion or Recompletion Report,  
Form 9-330, submitted 11/18/80 for the above referenced well.

Sincerely,



R. J. Firth  
District Supt.

RJF/kh

Encls.

cc: J. C. Bendler  
R. Boschee  
C. T. Clark (Cover Letter Only)  
E. R. Henry  
J. M. Kunz

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.5.

9

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

2. TYPE OF COMPLETION:

NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other \_\_\_\_\_

3. NAME OF OPERATOR

Natural Gas Corporation of California (Pacific Transmission

4. ADDRESS OF OPERATOR

Supply Co.)

85 South 200 East, Vernal, UT 84078

5. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 1620' FSL, 1020' FEL, NE $\frac{1}{4}$  SE $\frac{1}{4}$ , Section 5, T10S, R23E

At top prod. interval reported below

At total depth

14. PERMIT NO.

43-047-30633

DATE ISSUED

9-28-79

12. COUNTY OR PARISH

Utah

13. STATE

Utah

15. DATE REPUDED

12-29-79

16. DATE T.D. REACHED

1-22-80

17. DATE COMPL. (Ready to prod.)

6-8-80

18. ELEVATIONS (DP, RES. RT, OR, ETC.)\*

5302' GR, 5315' KB

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

8875'

21. PLUG, BACK T.D., MD &amp; TVD

8770'

22. IF MULTIPLE COMPL., HOW MANY\*

23. INTERVALS DRILLED BY

ROTARY TOOLS

X

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

7420'-7630' Mesaverde formation

25. WAS DIRECTIONAL SURVEY MADE

No

26. FROM ELECTRIC AND OTHER LOGS RUN

DLL, CNL-FDC, BHC, GRCC-CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48.0	151'	17-1/2"	250 sk Class G	
9-5/8"	36.0	2502'	12-1/4"	600 sk Pozmix & 100 sk RFC	
5-1/2"	17.0	8870'	7-7/8"	275 sk RFC & 100 sk RFC thru shoe and	
				500 sk RFC thru stage collar @ 7500'.	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	BACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					2-7/8"	7317'	7305'

31. PERFORATION RECORD (Interval, size and number)

Attached Sheet

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
Attached Sheet	

33. PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
Shut in		Flowing				Shut in	
DATE OF TEST	HOURS TESTED	CHOKED SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
6-8-80	6	1/2"	→		130		
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
130		→		520			

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

L. D. Johnson

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED R. J. Finch

TITLE District Supt.

DATE Nov. 18, 1980

\*(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Seals Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 33. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF: CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

DESCRIPTION, CONTENTS, ETC.

TOP

BOTTOM

FORMATION

## 38. GEOLOGIC MARKERS

TOP

MEAS. DEPTH

TRUE VERT. DEPTH

Wasatch  
Mesaverde  
Farrer facies  
Neslen facies  
Buck Tongue  
Castlegate  
Mancos

4200'  
6206'  
6932'  
8476'  
8569'  
8752'

\* U.S. GOVERNMENT PRINTING OFFICE: 1974 L 780-680/VIII-138

cc: USGS; UT OG&M; DeGolyer & MacNaughton; Clifford Cone; Enserch; JCBendler; RBoschee; ERHenry; JMKunz



NATURAL GAS CORPORATION  
OF CALIFORNIA

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

January 22, 1981

Mr. E. W. Guynn  
U. S. Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

Mr. Michael T. Minder  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

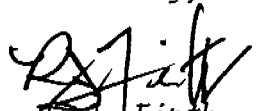
Mr. Richard Smith  
Enserch Exploration, Inc.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Re: PTS #4-5 Federal  
NE/4 SE/4 Section 5, T10S, R23E  
Uintah County, Utah

Gentlemen:

Enclosed are copies of the Sundry Notices and Reports on Wells, Form 9-331,  
Subsequent Report of Change of Operator for the above referenced well.

Sincerely,

  
R. J. Firth  
District Supt.

/kh

Encls.

cc: E. J. Gelwick  
C. T. Clark  
R. Boschee  
E. R. Henry  
J. M. Kunz

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

**SUNDRY NOTICES AND REPORTS ON WELLS**

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well ☐ gas ☒ well ☐ other ☐  
2. NAME OF OPERATOR  
*Pacific Transmission Supply Company*  
3. ADDRESS OF OPERATOR  
*85 South 200 East, Vernal, UT 84078*  
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
AT SURFACE: *1620' FSL, 1020' FEL, NE/4 SE/4,*  
AT TOP PROD. INTERVAL: *Section 5, T10S, R23E*  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF <input type="checkbox"/>	<input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	<input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	<input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	<input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	<input type="checkbox"/>
MULTIPLE COMPLETE <input type="checkbox"/>	<input type="checkbox"/>
CHANGE ZONES <input type="checkbox"/>	<input type="checkbox"/>
ABANDON* <input type="checkbox"/>	<input type="checkbox"/>
(other) <i>Change of Operator</i>	<input checked="" type="checkbox"/>

5. LEASE  
*U-33433*  
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
7. UNIT AGREEMENT NAME  
8. FARM OR LEASE NAME  
*Federal*  
9. WELL NO.  
*4-5*  
10. FIELD OR WILDCAT NAME  
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
*Section 5, T10S, R23E*  
12. COUNTY OR PARISH *Utah* 13. STATE *Utah*  
14. API NO.  
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
*5315' KB*

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

*Well Completion or Recompletion Report and Log submitted November 18, 1980 indicated the name of operator as Natural Gas Corporation of California. This report form should be changed to indicate the correct name of operator as Pacific Transmission Supply Company.*

**RECEIVED**

JAN 20 1981

DIVISION OF  
OIL, GAS & MINING

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED *R. J. Fitch* TITLE *District Supt.* DATE *January 22, 1981*

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; UT Div. of OG&M; E. J. Gelwick; E. R. Henry; R. Boschee; J. M. Kunz; DeGolyer & MacNaughton; Clifford Cone; Enserch; C. T. Clark

2

NATURAL GAS CORPORATION  
OF CALIFORNIA

85 South 200 East  
Vernal, Utah 84078  
(801) 789-4573

August 21, 1981

**RECEIVED**  
AUG 25 1981

DIVISION OF  
OIL, GAS & MINING

Mr. E. W. Guynn  
U. S. Geological Survey-Conservation Div.  
2000 Administration Bldg.  
1745 West 1700 South  
Salt Lake City, UT 84104

~~Mr.~~ Michael T. Minder  
Division of Oil, Gas & Mining  
1588 West North Temple  
Salt Lake City, UT 84116

Mr. Bob Gilmore  
DeGolyer & MacNaughton  
No. 1 Energy Square  
Dallas, TX 75206

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

Mr. Richard Smith  
Enserch Exploration, Inc.  
Metrobank Bldg., Suite 1322  
Denver, CO 80202

Re: PTS #4-5 Federal  
NE $\frac{1}{4}$  SE $\frac{1}{4}$  Section 5, T10S, R23E  
Uintah County, Utah

Gentlemen:

Enclosed are copies of the Sundry Notices and Reports on Wells, Form 9-331,  
Subsequent Report of Fracture Treatment on the above referenced well.

Sincerely,

*W. A. Ryan*  
W. A. Ryan  
Petroleum Engineer

/sr

Encls.

cc: Operations Supt.  
C. T. Clark  
R. Boschee  
E. R. Henry  
J. M. Kunz

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐

2. NAME OF OPERATOR  
Natural Gas Corporation of California

3. ADDRESS OF OPERATOR 801-789-4573  
85 South 200 East, Vernal, UT 84078

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 1620' FSL, 1020' FEL, NE-SE  
AT TOP PROD. INTERVAL: Sec. 5, T10S, R23E  
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐  
FRACTURE TREAT ☐  
SHOOT OR ACIDIZE ☐  
REPAIR WELL ☐  
PULL OR ALTER CASING ☐  
MULTIPLE COMPLETE ☐  
CHANGE ZONES ☐  
ABANDON\* ☐  
(other) ☐

SUBSEQUENT REPORT OF:

☐  
☒  
☐  
☐  
☐  
☐  
☐  
☐  
☐

5. LEASE  
U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME  
Federal

9. WELL NO.  
4-5

10. FIELD OR WILDCAT NAME  
Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
Sec. 5, T10S, R23E

12. COUNTY OR PARISH  
Utah

13. STATE  
Utah

14. API NO.  
43-047-30633

15. ELEVATIONS (SHOW DF, KDB, AND WD)  
5315 KB

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator fracture treated well #4-5 on 7-11-81 with 138,780 lbs. frac fluid and 23,200 lbs. 20/40 mesh sand. The well was flow tested on 7-23-81 by Randy Miller. The well was running on a 21/64" choke. TP 800#, CP 800#, 1-1/2" orifice. Production was 1635 MCF/D, producing no condensate or water. The well will be shut in and waiting for pipeline.

Subsurface Safety Valve: Manu. and Type

18. I hereby certify that the foregoing is true and correct

SIGNED W. A. Ryan

TITLE Petroleum Eng.

DATE August 21, 1981

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

cc: USGS; UT Div. of OG&M; DeGolyer; Clifford Cone; Enserch Oper. Supt.  
CTClark; RBoschee; ERHenry; JMKunz

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE  
(Other Instructions on reverse side)

Form approved,  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Federal

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Section 5, T.10S., R.23E.

14. PERMIT NO.

43-047-30633

15. ELEVATIONS (Show whether DP, RT, CR, etc.)

5315' KB

12. COUNTY OR PARISH

Uintah

13. STATE

Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PCLL OR ALTER CASING

FRACTURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON\*

REPAIR WELL

CHANGE PLANE

(Other) Request Temporary Surface Pit X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

EXHAUSTING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Operator requests an unlined surface pit per NTL-2B, Sec. VI. The subject pit would be used as a blow down pit when the well is flow tested.

If you require additional information, please contact me at our Vernal office - telephone 789-4573.

RECEIVED  
NOV 23 1984  
DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

William A. Ryan

TITLE Petroleum Engineer

DATE November 15, 1984

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

Federal approval of this action  
is required before commencing  
operations.

TITLE

ACCEPTED  
APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

DATE: 12/30/84

BY: [Signature]

\*See Instructions

*Natural Gas  
Corporation of  
California*

NGC NGC NOC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC NGC

November 29, 1984

Bureau of Land Management  
Branch of Fluid Minerals  
170 South 500 East  
Vernal, UT 84078

Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

Re: NGC #4-5 Federal  
NE SE Section 5, T.10S., R.23E.  
Uintah County, UT

Mr. Clifford Cone  
P.O. Box 6010  
Lubbock, TX 79413

Mr. R. W. Sharp  
Enserch Exploration, Inc.  
475 17th Street, Suite 1300  
Denver, CO 80202

Gentlemen:

Attached are copies of Form 3160-5, Sundry Notices and Reports on Wells,  
Report of First Production, for the subject well.

Yours truly,

*C. M. Heddleson*  
C. M. Heddleson  
Production Supt.

/kh

Attachment

cc: H. Myers  
Land Dept.  
L. Jorgensen  
S. Furtado

**RECEIVED**  
DEC 03 1984

**DIVISION OF  
OIL, GAS & MINING**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIP DATE  
(Other instructions re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		5. LEASE DESIGNATION AND SERIAL NO. U-33433	
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, Utah 84078		7. UNIT AGREEMENT NAME	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface  1620' FSL, 1020' FEL, NE $\frac{1}{4}$ SE $\frac{1}{4}$ Sec. 5, T.10S., R.23E.		8. FARM OR LEASE NAME Federal	
14. PERMIT NO. 43-047-30633		9. WELL NO. 4-5	
15. ELEVATIONS (Show whether DP, RT, GR, etc.) 5315' KB		10. FIELD AND POOL, OR WILDCAT	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Section 5, T.10S., R.23E.	
		12. COUNTY OR PARISH Uintah	18. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) Report of First Production ☒

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator reports the subject well was put on production 11/28/84 at 2 p.m.

RECEIVED  
DEC 03 1984

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED C. M. Heddleson  
C. M. Heddleson

TITLE Prod. Supt.

DATE 11/29/84

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPlicate\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U-33433
2. NAME OF OPERATOR Natural Gas Corporation of California		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, UT 84078		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 1620' FSL, 1020' FEL NE SE		8. FARM OR LEASE NAME Federal
14. PERMIT NO. 43-047-30633		9. WELL NO. 4-5
15. ELEVATIONS (Show whether DF, RT, GR, etc.) 5315' KB		10. FIELD AND POOL, OR WILDCAT Wildcat
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 5, T.10S., R.23E.
		12. COUNTY OR PARISH Uintah
		13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>
(Other) Report Change of Operator	X

SUBSEQUENT REPORT OF:

WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
(Other) <input type="checkbox"/>	

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Please find attached a Designation of Operator from Pacific Transmission Supply Company to Natural Gas Corporation of California.

18. I hereby certify that the foregoing is true and correct

SIGNED William A. Ryan TITLE Petroleum Engineer DATE Dec. 14, 1984  
William A. Ryan

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

DESIGNATION OF OPERATOR

The undersigned is, on the records of the Bureau of Land Management, holder of lease

STATE OFFICE: Salt Lake City  
SERIAL NO.: U-33433

and hereby designates

NAME: Natural Gas Corporation of California  
ADDRESS: 85 South 200 East  
Vernal, Utah 84078

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the authorized officer may serve written or oral instructions in securing compliance with the Operating Regulations (43 CFR 3160) with respect to (describe acreage to which this designation is applicable):

T10S-R23E  
Section 4: All  
Section 5: Lots 1-4, S/2N/2, N/2SW/4, SE/4  
Containing 1204.92 Acres, m/1  
Uintah County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.

The lessee agrees promptly to notify the authorized officer of any change in the designated operator.

PACIFIC TRANSMISSION SUPPLY COMPANY



(Signature of lessee)  
C. T. Clark, Jr. - Attorney-in-Fact

December 4, 1984

(Date)

245 Market Street, San Francisco, CA 94105

(Address)

This form does not constitute an information collection as defined by 44 U.S.C. 3502 and thereto does not require OMB approval.

EVIDENCE OF AUTHORITY FOR ATTORNEY-IN-FACT  
IS FILED IN W-56943 AND SUCH  
AUTHORITY IS STILL IN EFFECT.

BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. <input type="checkbox"/> OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER		7. UNIT AGREEMENT NAME	
2. NAME OF OPERATOR NATURAL GAS CORPORATION OF CALIFORNIA		8. FARM OR LEASE NAME	
3. ADDRESS OF OPERATOR 85 South 200 East, Vernal, Utah 84078		9. WELL NO. SEE ATTACHED LIST	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface		10. FIELD AND POOL, OR WILDCAT	
14. PERMIT NO.		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA	
15. ELEVATIONS (Show whether DF, RT, CR, etc.)		12. COUNTY OR PARISH	
		13. STATE	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANE <input type="checkbox"/>	(Other) <input type="checkbox"/>	

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

The attached list will advise you of the designated Operator on several leases for which there has been some confusion in the past as to the actual operator.

18. I hereby certify that the foregoing is true and correct

SIGNED Kathy Knutson TITLE Technical Assistant

DATE April 1, 1985

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

WELL NO	LOCATION, TWP, RNG, COUNTY	LEASE NUMBER	DES/OPER	DATE	REMARKS
21-22	NE/NW Sec 22, T12S, R15E, Carbon	U-11604	* PTS	1978	
1-11	SW/SE Sec 11, T12S, R14E, Carbon	U-15254	PTS	1984	
41-9	NE/NE Sec 9, T9S, R24E, Uintah	U-5217	** NGC	1977	NGC Unit Operator
23-25	NE/SW Sec 25, T8S, R23E, Uintah	U-7386	NGC	1977	NGC Unit Operator
23-11	NE/SW Sec 11, T9S, R23E, Uintah	U-0146800	NGC	1977	NGC Unit Operator
33-11	NW/SE Sec 11, T16S, R24E, Grand	U-10423	PTS		PTS has CA which overrides NGC's DO
4-5	NE/SE Sec 5, T10S, R23E, Uintah	U-33433	NGC	1984	

**CORRECT**

\* PACIFIC TRANSMISSION SUPPLY

\*\* NATURAL GAS CORPORATION OF CALIFORNIA

RECEIVED

APR 29 1985

April 26, 1985

DIVISION OF OIL  
GAS & MINING

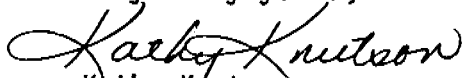
Bureau of Land Management  
170 South 500 East  
Vernal, Utah 84078

SUBJECT: Resumption of Production Operations  
Federal 4-5  
Section 5, T10S, R23E  
Uintah County, Utah

Gentlemen:

Attached, in triplicate, is Form 3160-5, Sundry Notices and Reports on wells, reporting the resumption of production at the above subject well. This well has been shut in since it was put on initial production in November of 1984.

Very truly yours,

  
Kathy Knutson  
Technical Assistant

/kk

cc: Division of Oil, Gas & Mining  
Production Department  
S. Furtado  
Files

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRI  
(Other instruction  
verse side)

Form approved  
Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

SEC 5, T10S, R23E

12. COUNTY OR PARISH 13. STATE

UINTAH

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

RECEIVED

MAY 21 1985

DIVISION OF OIL  
& MINING

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

NATURAL GAS CORPORATION OF CALIFORNIA

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.  
See also space 17 below.)  
At surface

1620' FSL & 1020' FEL, NE/SE

14. PERMIT NO.

43-047-30633

15. ELEVATIONS (Show whether DF, ET, CR, etc.)

5315' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐  
☐  
☐  
☐

PULL OR ALTER CASING

☐  
☐  
☐  
☐

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANE

REPAIR WELL

(Other) RESUMPTION OF PRODUCTION

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐  
☐  
☐

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

☐  
☐  
☐

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Operator reports that the subject well has resumed production operations at  
12:00 p.m., April 26, 1985.

18. I hereby certify that the foregoing is true and correct

SIGNED

Kathy Knutson

TITLE Technical Assistant

DATE 4-26-85

(This space for Federal or State office use)

APPROVED BY

NOTED

TITLE

DATE

MAR 15 1985

CONDITIONS OF APPROVAL IF ANY:

MS-1  
mms

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Budget Bureau No. 1004-0135  
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

U-33433

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

FEDERAL

9. WELL NO.

4-5

10. FIELD AND POOL, OR WILDCAT

SOUTHMAN CANYON

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

SEC 5, T10S, R23E

12. COUNTY OR PARISH 13. STATE

UINTAH

UTAH

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL ☐ GAS WELL ☒ OTHER

2. NAME OF OPERATOR

Natural Gas Corporation of California

3. ADDRESS OF OPERATOR

85 South 200 East, Vernal, Utah 84078

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

1620' FSL & 1020' FEL, NE/SE

14. PERMIT NO.

43-047-30633

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5315' KB

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) RESUME PRODUCTION

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(Note: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Operator reports that the above subject well has resumed production operations at  
12:00 p.m., January 30, 1986.

18. I hereby certify that the foregoing is true and correct

SIGNED

*Kathy Knutson*

TITLE Technical Assistant

DATE 1-31-86

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

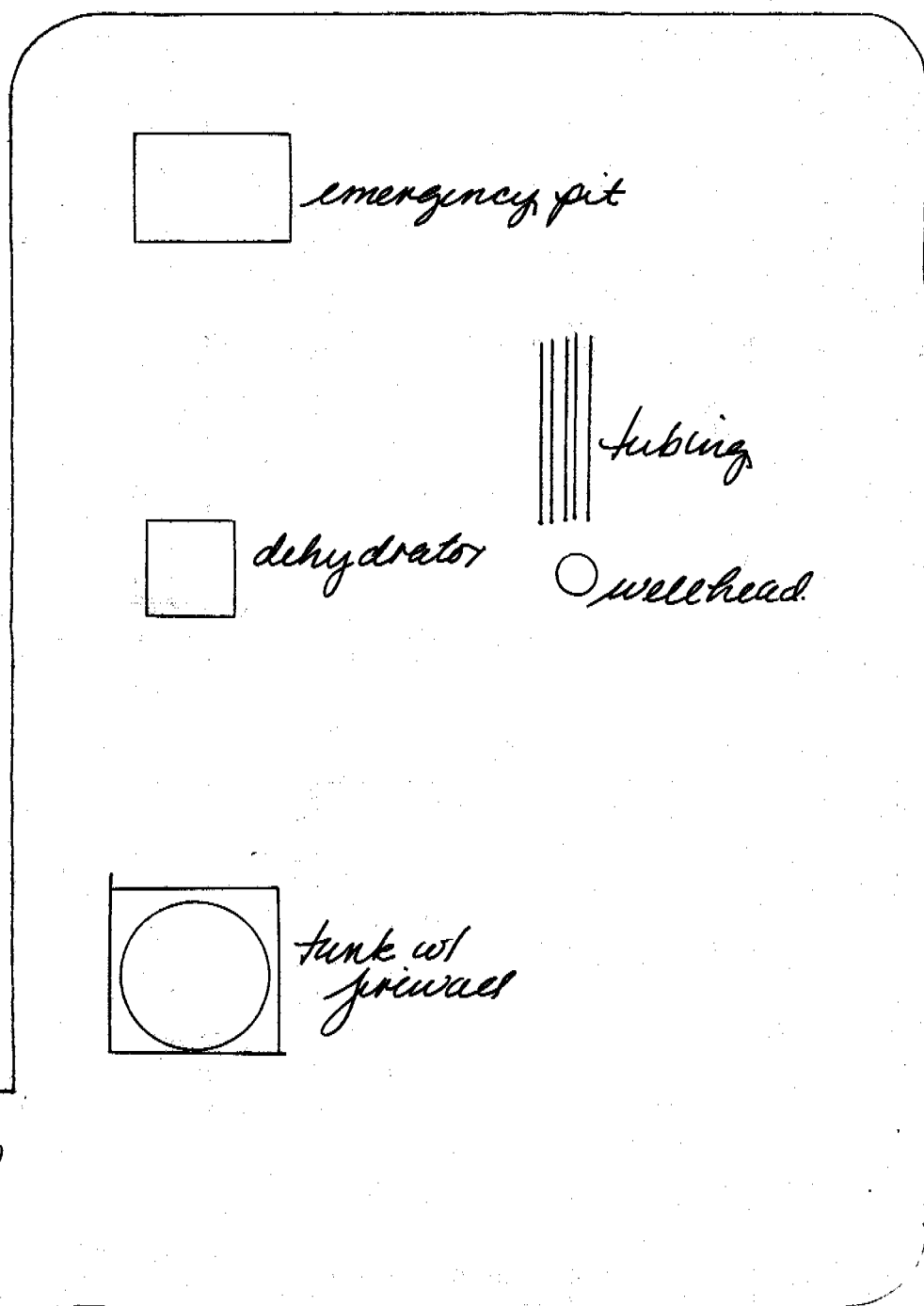
\*See Instructions on Reverse Side

# EXPRESS MAIL ROUTING SLIP

PAM  
TAMI  
VICKY  
CLAUDIA  
STEPHANE  
CHARLES  
RULA  
MARY ALICE  
CONNIE  
MILLIE

2.4	7:40
<del>2.4</del>	<del>11:20</del>
	2:15 UC
1.7	8:39 G
4:02	2-4
CP	2.7 8:04
KM	2.7 1:30
MAP	2.7 11:48
LD	2.7 2:25
MS	2.7 8:02

N





STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING

# SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>		3. LEASE DESIGNATION AND SERIAL NO. U-33433
2. NAME OF OPERATOR Phoenix Hydrocarbons, Inc.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2802, Midland, TX 79702		7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any lease requirements. See also space 17 below.) At surface 1620' FSL & 1020' FEL, NESE		8. FARM OR LEASE NAME Federal
5. PERMIT NO. 43-047-30633		9. WELL NO. 4-5
16. ELEVATIONS (Show whether OF, RT, OR, etc.) 5315 KB		10. FIELD AND POOL, OR WILDCAT Southman Canyon
		11. SEC. T., R., M., OR B.L. AND SUBST OR AREA Sec. 5, T-10-S, R-23-E
		12. COUNTY OR PARISH Uintah
		13. STATE UT

RECEIVED  
APR 09 1989

DIVISION OF  
OIL, GAS & MINING

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANN <input type="checkbox"/>	(Other) <input type="checkbox"/>	(Other) <input type="checkbox"/>
(Other) CHANGE OF OPERATOR <input checked="" type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

## CHANGE OF OPERATOR

Effective January 1, 1989, Phoenix Hydrocarbons, Inc. (N0985) assumed operations from NGC Energy Co. (N0700).

18. I hereby certify that the foregoing is true and correct

SIGNED Kim C. Williams TITLE Production Secretary DATE 3/31/89

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY: \_\_\_\_\_

Phoenix Hydrocarbons, Inc. (No 985)

RECEIVED

July 2, 1991

JUL 05 1991

DIVISION OF  
OIL GAS & MINING

Lisha Romero  
Division of Oil, Gas, & Mining  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: Change of Operator

Dear Lisha:

As per our telephone conversation on July 1, 1991, Phoenix Hydrocarbons, Inc. (PHI) hereby gives notice that effective July 1, 1991, Phoenix Hydrocarbons Operating Inc. (PHOC) will begin to operate wells previously operated by PHI. Attached you will find a list of these properties by field which includes API numbers and Utah Entity numbers.

Please assign PHOC a Utah Account Number for filing taxes and monthly reporting. If you should have any questions, please call. Thank you.

Sincerely,

*Rhonda Patterson*

Rhonda Patterson

encl.

\*910711 Address is the same per Rhonda Patterson. *Jep*

PHOENIX HYDROCARBONS UTAH FIELDS

AS OF 3/31/91

WALKER HOLLOW FIELD #700

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
McLish #1 <i>U-02651</i>	43-047-20280	02760
McLish #2	43-047-30011	02760
McLish #3	43-047-30027	02760
McLish #4	43-047-30030	02760
Pan American Fed #2	43-047-30038	02760
WalkerHollow U #6	43-047-31034	02760
WalkerHollow UJ-8	43-047-31092	02760

RECEIVED

JUL 05 1991

DIVISION OF  
OIL GAS & MINING

NATURAL BUTTE FIELD #630

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
Southman Canyon #1-5 <i>U-33433</i>	43-047-30856	10689
Southman Canyon #4-4	43-047-30632	10690
Southman Canyon #4-5	43-047-30633	06131

PLEASANT VALLEY FIELD #115

*FEE*

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
Pleasant Valley 24-32	43-013-30888	04970
Pleasant Valley 23-22	43-013-30845	04965

8 MILE FLAT NORTH FIELD #590

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
Gulf State 36-11 <i>mL-22057</i>	43-047-31350	00040
Gulf State 36-12	43-047-31864	11002
Gulf State 36-13	43-047-31345	00045
Gulf State 36-22	43-047-31892	11095
Pariette Draw 28-44-FEE	43-047-31408	04960

HORSESHOE BEND FIELD #620

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
Baser Draw 5-1 <i>U-075939</i>	43-047-31833	10862
Baser Draw 6-1	43-047-31834	10863
Baser Draw 6-2	43-047-31859	10967
Federal Miller #1- <i>U-0136484</i>	43-047-30034	02750
Wolf Government #1	43-047-15609	02755
FEDERAL 4-3-L- <i>U-66401</i>	43-047-31910	99999 (ADDED TO LIST BY DOGM)

WILDCAT FIELD #001

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
Coors 14-1-D- <i>U-65223</i>	43-047-31304	11193

UNDESIGNATED FIELD #002

	<u>API - NUMBER</u>	<u>UTAH ENTITY #</u>
E. Gusher 15-1-A- <i>U-58097</i>	43-047-31900	11122
Federal 5-5-H- <i>U-66401</i>	43-047-31903	11138

NOTE: WE NEED TO CALL EACH QUARTER TO THE DIVISION OF OIL, GAS, & MINING TO  
VERIFY FIELD'S THAT HAVE BEEN "UNDESIGNATED" FOR FIELD ASSIGNMENT

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

**SUNDRY NOTICES AND REPORTS ON WELLS**

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.

**SUBMIT IN TRIPLICATE**

SEP 23 1992

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Phoenix Hydrocarbons Operating Corp.

3. Address and Telephone No.

P. O. Box 2802, Midland, Texas 79702 (915) 682-1186

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Section 5, T-10-S, R-23-E, SLM

5. Lease Designation and Serial No.  
U-33433

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Southman Canyon 4-5

9. API Well No.

4304730633

10. Field and Pool, or Exploratory Area

Natural Butte Field #630

11. County or Parish, State

Uintah County, Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

Designation of Operator

(Note: Report results of multiple completion on Well Completion or  
Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Phoenix Hydrocarbons Operating Corp. has acquired operations from Phoenix Hydrocarbons, Inc. on the above lease, effective as of July 1, 1991. Phoenix Hydrocarbons Operating Corp. is covered by Irrevocable Standby Letter of Credit No. 10005 issued by Texas Commerce Bank - Midland, N. A. in favor of the Utah Division of Oil, Gas & Mining, revised 1/4/91. Phoenix is also covered under Statewide Oil and Gas Bond #B01258, filed and accepted March 23, 1988 by the Chief of the Minerals Adjudication Section, United States Department of the Interior, Bureau of Land Management, Salt Lake City, Utah.

14. I hereby certify that the foregoing is true and correct.

Signed

Title Landman

Date July 9, 1991

(This space for Federal or State Office use)

Approved by

Title

ASSISTANT DISTRICT  
MANAGER MINERALS

Date SEP 22 1992

Conditions of approval, if any:

\*Title 18 U.S.C. Section 1001 makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See instruction on Reverse Side

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

Routing:

1-LCR	7-LE
2-DTS	DT
3-VLC	
4-RJF	
5-RWM	
6-ADA	

Attach all documentation received by the division regarding this change.  
 Initial each listed item when completed. Write N/A if item is not applicable.

- ☒ Change of Operator (well sold)      ☐ Designation of Agent  
☐ Designation of Operator      ☐ Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 7-1-91)

TO (new operator)	<u>PHOENIX HYDROCARBONS</u>	FROM (former operator)	<u>PHOENIX HYDROCARBONS, INC.</u>
(address)	<u>OPERATING CORPORATION</u>	(address)	<u>PO BOX 2802</u>
	<u>PO BOX 2802</u>		<u>MIDLAND, TX 79702</u>
	<u>MIDLAND, TX 79702</u>		<u>RHONDA PATTERSON</u>
	phone <u>(915) 682-1186</u>		phone <u>(915) 682-1186</u>
	account no. <u>N9880</u>		account no. <u>N0985</u>

Well(s) (attach additional page if needed):

Name: <u>*SEE ATTACHED*</u>	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec _____	Twp _____	Rng _____	Lease Type: _____

**OPERATOR CHANGE DOCUMENTATION**

- 1 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 7-5-91)*
- 2 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Subsidiary company of Phoenix Hydrocarbons, Inc.)*
- 3 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_ If yes, show company file number: #151808.
- 4 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- 5 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(9-24-92)*
- 6 6. Cardex file has been updated for each well listed above. *(9-24-92)*
- 7 7. Well file labels have been updated for each well listed above. *(9-24-92)*
- 8 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(9-24-92)*
- 9 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
2. A copy of this form has been placed in the new and former operators' bond files.
3. The former operator has requested a release of liability from their bond (yes/no) no. Today's date 10/14/92 1992. If yes, division response was made by letter dated 10/14/92 1992.

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 10/14/92 1992, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.
2. Copies of documents have been sent to State Lands for changes involving State leases.

## FILED

1. All attachments to this form have been microfilmed. Date: Oct 7 1992

## FILED

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form and the original attachments have been filed in the Operator Change file.

## REMARKS

920924 Btm/Vernal Approved on 9-22-92 & 7-1-91.

**STATE OF UTAH**  
**DIVISION OF OIL, GAS AND MINING**  
 355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 3 of 5

## MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:

RHONDA PATTERSON  
 PHOENIX HYDRO OPER CORP  
 PO BOX 2802  
 MIDLAND TX 79702

UTAH ACCOUNT NUMBER: N9880REPORT PERIOD (MONTH/YEAR): 12 / 93AMENDED REPORT ☐ (Highlight Changes)

Well Name			Producing Zone	Well Status	Days Oper	Production Volumes		
API Number	Entity	Location				OIL(BBL)	GAS(MCF)	WATER(BBL)
CASTLE PEAK 1-3								
✓ 4301330639	01522	09S 16E 3	GRRV			- U-47172		
CLIFF EDGE 1-15								
✓ 4304730462	01524	10S 23E 15	MVRD			- U-38427		
FED MILLER #1								
✓ 4304730034	02750	07S 22E 4	UNTA			- U-0136484		
WOLF GOV FED #1								
✓ 4304715609	02755	07S 22E 5	UNTA			- U-075939		
PARIETTE DRAW 28-44								
✓ 4304731408	04960	04S 01E 28	GRRV			- FEE	TD 6540'	\$20,000 ea.
PLEASANT VALLEY 24-32								Rg. 3-2-94
✓ 4301330888	04970	04S 02W 24	GRRV			- FEE	TD 8760'	
URAL 1-7								
✓ 4304730148	06129	11S 21E 7	WSTC			- U-8345	(separate chg)	Referral to Chm/Veri 3-2-94
SOUTHMAN CYN 4-5								
✓ 4304730633	06131	10S 23E 5	MVRD			- U-33433		
STATE 14-16								
✓ 4304731417	08010	07S 21E 16	GR-WS			- ML-40904		
BONANZA FEDERAL 3-15								
✓ 4304731278	08406	10S 23E 15	MVRD			- U-38428		
LIZZARD CREEK 1-10								
✓ 4304731475	09870	11S 22E 10	MVRD			- U-25880		
ARCHY BENCH STATE 1-2								
✓ 4304731489	09871	11S 22E 2	MVRD			- ML-22348A		
GUSHER UNIT #3								
✓ 4304715590	10341	06S 20E 10	GRRV			- SL-065841		
TOTALS								

COMMENTS: \_\_\_\_\_

I hereby certify that this report is true and complete to the best of my knowledge.

Date: \_\_\_\_\_

Name and Signature: \_\_\_\_\_

Telephone Number: \_\_\_\_\_

INTEROFFICE COMMUNICATION  
SNYDER OIL CORPORATION

TO: George Rooney  
FROM: Steve Van Hook *SVH*  
DATE: January 17, 1994  
RE: Phoenix Acquisition  
Transfer of Operator Forms

RECEIVED  
FEB 07 1994  
DIVISION OF  
OIL, GAS & MINING

Accompanying this memo are the following items related to the Phoenix acquisition which require your further handling:

*Cbkw  
Needs  
Copies*

- ① Original letter dated 12/20/93 from Phoenix to the State of Utah Oil, Gas & Mining Division, with exhibit listing all wells in which SOCO becomes operator. Please mail ASAP with our enclosed cover letter advising SOCO is assuming operations.
- ② Separate executed forms to transfer operations on the Southman Canyon SWD #3 well. Please complete the contact portion of these forms and forward for approval with the State of Utah.
3. For the Walker Hollow Unit, enclosed is a 1/14/94 cover letter from Phoenix Hydrocarbon with a Sundry Notice executed by SOCO and Phoenix for the following unit wells:
  - McLish #1, 2, 3, 4
  - Pan Am #2
  - Walker Hollow U6, J8
4. For operated wells on Federal lands, a separate file for the following wells is enclosed containing in each three original Sundry Notices of the BLM executed by SOCO and Phoenix. Please file with the BLM in triplicate for the following wells:

Castle Peak 1-3	No Name 2-9, 1-9
Canyon View 1-18	Willow Creek #2
Crooked Canyon 1-17	Flat Mesa 2-7
Federal 11-1-M	Flat Mesa 1-7
Madeline 4-3-C	Gusher 15-1-A
Coors 1-14-D	Southman Canyon 4-5, 4-4, 1-5
Baser 5-1	Baser Draw 6-2, 6-1



Memo Re: Phoenix/Transfer of Operator Forms  
January 17, 1994  
Page 2

Wolf Govt. Federal #1  
Monument Butte 2-3  
Pete's Flat Federal 1-1  
Willow Creek #1  
Cliff Edge Fed 1-15  
E. Gusher No. 3  
Lizzard Creek 1-10  
Federal 3-15  
Monument Butte 1-3

Federal Miller 1  
Sage Brush 1-8  
Bitter Creek Federal 1-3  
White River 1-14  
Southman Canyon SWD #3  
Federal 2-10 HB  
Horseshoe Bend 2  
Natural 1-7 (Love Unit)

Please advise should any questions arise.

SVH/lk

Attachments

**SNYDER OIL CORPORATION**

1625 Broadway, Suite 2200  
Denver, Colorado 80202  
Phone 303-592-8579

RECEIVED

FEB 07 1994

DIVISION OF  
OIL, GAS & MINING

January 13, 1994

State of Utah  
Division of Oil, Gas, & Mining  
3 Triad Center, #350  
Salt Lake City, UT 84180-1203

Attention: Lisha Cordova

RE: Change of Operator  
Sundry Notices

Dear Ms. Cordova:

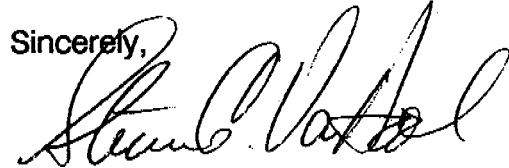
Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s wells should be transferred.

If you should have any questions, please call.

Sincerely,



Steven G. Van Hook  
Attorney-in-Fact

Enclosures

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

UTU 33433

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Snyder Oil Corporation

3. Address and Telephone No.

1625 Broadway, #2200, Denver, CO 80202 (303)592-8500

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Sec 5, T-10-S, R-23-E

8. Well Name and No.

Southman Canyon 45

9. API Well No.

43-047-30633

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah, UT

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

Change Of Operator

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective January 1, 1994, Snyder Oil Corporation will become the operator of the referenced well from Phoenix Hydrocarbons Operating Corp.

Snyder Oil Corporation is covered under Federal Bond #579354 (Gulf Insurance Company) and Utah State Bond #582488.

FEB 22 1994

14. I hereby certify that the foregoing is true and correct.

Signed

Title

Date

(This space for Federal or State office use)

ASSISTANT DISTRICT  
MANAGER MINERALS

Date

Approved by

HOWARD B. CLEAVINGER II

Title

Conditions of approval, if any:

FEB 17 1994

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: September 30, 1990

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.

UTU 33433

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Southman Canyon 4-

9. API Well No.

43-047-30633

10. Field and Pool, or Exploratory Area

11. County or Parish, State

Uintah Co., UT

SUBMIT IN TRIPLICATE

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

Phoenix Hydrocarbons Operating Corp.

3. Address and Telephone No.

415 West Wall, #703 Midland, TX 79701 915-682-1186

4. Location of Well (Frontage, Sec., T., R., M., or Survey Description)

SEC. 5, T-10-S, R-23-E

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection

Change of Operator

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Effective January 1, 1994, Snyder Oil Corporation  
will become the Operator of the above referenced  
well.

FEB 22 1994

14. I hereby certify that the foregoing is true and correct

Signed

Title

President

Date

1/14/94

(This space for Federal or State office use)

Approved by

SI HOWARD B. CLEAVINGER II

Title

ASSISTANT COMPTROLLER

Date

FEB 17 1994



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Vernal District Office  
170 South 500 East  
Vernal, Utah 84078-2799



IN REPLY REFER TO:  
3162.3  
UT08438

February 17, 1994

Snyder Oil Corporation  
Attn: Mr. Steven C. Van Hook  
1625 Broadway, Suite #2200  
Denver, CO 80202

FEB 28 1994

Re: Well: Southman Canyon 4-5  
NESE, Sec. 5, T10S, R23E  
Lease U - 33433  
Uintah County, Utah

Dear Mr. Van Hook:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Snyder Oil Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. WY2272, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Ed Forsman of this office at (801)789-1362.

Sincerely,

Howard B. Cleavinger  
Assistant District Manager for Minerals

cc: Alta Country Partner  
Alta Midland Partner  
EP Operating Ltd. Partner  
Hydrocarbon Energy  
Xeta Partners 1988

## Phoenix Hydrocarbons Operating Corp.

December 20, 1993

State of Utah  
Division of Oil, Gas, & Mining  
3 Triad Center, #350  
Salt Lake City, UT 84180-1203

FEB 28 1994

Attention: Lisha Cordova

RE: Change Of Operator  
Sundry Notices

Dear Lisha:

Effective January 1, 1994, Phoenix Hydrocarbons Operating Corp. will transfer all operations in Utah to Snyder Oil Corporation.

Snyder Oil Corporation is covered by Utah State Bond #582488 and Federal Bond #579354 (Guld Insurance Company).

Attached you will find a list of all wells to be Operated by Snyder Oil Corporation. Please note: all of Phoenix Hydrocarbon Operating Corp.'s well should be transfered.

If you should have any questions, please call.

Sincerely,

*Rhonda Patterson*

Rhonda Patterson

encl.

Post-it™ Fax Note

7671

Date	# of pages 3
To <i>Lisha</i>	From <i>Caryn Brinkman</i>
Co./Dept.	Co.
Phone #	Phone #
Fax #	Fax #

# UTAH COUNTY

Well Name	LEASE NUMBER	API NUMBER	LOCATION
Gulf State 36-11	ML-22057	43-047-31350	SEC 36, T-8-S, R-18-E
Gulf State 36-12	ML-22057	43-047-31864	SEC 36, T-8-S, R-18-E
Gulf State 36-13	ML-22057	43-047-31345	SEC 36, T-8-S, R-18-E
Gulf State 36-22	ML-22057	43-047-31892	SEC 36, T-8-S, R-18-E
Pariette Draw 28-44	FEE	43-047-31408	SEC 28, T-4-S, R-2-W
Federal Miller #1	UTU0136484	43-047-30034	SEC 4, T-7-S, R-22-E
Wolf Govt #1	UTU075939	43-047-16609	SEC 6, T-7-S, R-22-E
McLish #1 (Walker-Hollow)	SL-086341	43-047-20280	SEC 8, T-7-S, R-23-E
McLish #2 (Walker-Hollow)	SL-086341	43-047-30011	SEC 8, T-7-S, R-23-E
McLish #3 (Walker-Hollow)	SL-086341	43-047-30027	SEC 8, T-7-S, R-23-E
McLish #4 (Walker-Hollow)	SL-086341	43-047-30030	SEC 8, T-7-S, R-23-E
Walker Hollow U-6	SL-086341	43-047-31034	SEC 8, T-7-S, R-23-E
Pan American #2	SL-086341	43-047-30038	SEC 8, T-7-S, R-23-E
Walker Hollow U-8	SL-086341	43-047-31082	SEC 8, T-7-S, R-23-E
Basin 6-1	UTU075939	43-047-31833	SEC 6, T-7-S, R-22-E
Basin 6-1	UTU075939	43-047-31834	SEC 6, T-7-S, R-22-E
Basin 6-2	UTU075939	43-047-31839	SEC 6, T-7-S, R-22-E
Southman 1-6	UTU33433	43-047-30856	SEC 6, T-10-S, R-23-E
Southman 4-4	UTU33433	43-047-30632	SEC 4, T-10-S, R-23-E
Southman 4-6	UTU33433	43-047-30633	SEC 6, T-10-S, R-23-E
East Gusher 16-1-A	UTU58067	43-047-31800	SEC 16, T-6-S, R-20-E
Coors 14-1-D	UTU65223	43-047-31304	SEC 14, T-7-S, R-21-E
East Gusher 2-1-A	ML-21181	43-047-31431	SEC 2, T-6-S, R-20-E
Madeline 4-3-C	UTU42469	43-047-32279	SEC 4, T-7-S, R-21-E
Federal 6-5-H	UTU68099	43-047-31903	SEC 6, T-7-S, R-21-E
Federal 11-1-M	UTU64376	43-047-32333	SEC 11, T-6-S, R-20-E
Flat Mesa 1-7	U-38420	43-047-30362	SEC 7, T-10-S, R-23-E
Flat Mesa 2-7	U-38420	43-047-30546	SEC 7, T-10-S, R-23-E
Crooked Canyon 1-17	U-37356	43-047-30369	SEC 17, T-10-S, R-23-E
Willow Creek 2	U-39223	43-047-31818	SEC 6, T-11-S, R-20-E
No Name Canyon 1-9	U-37356	43-047-30378	SEC 9, T-10-S, R-23-E
No Name Canyon 2-9	U-37356	43-047-31604	SEC 9, T-10-S, R-23-E
Canyon View Fed 1-18	U-38421	43-047-30379	SEC 18, T-10-S, R-23-E
Alger Pass #1	ML-36213	43-047-31824	SEC 2, T-11-S, R-19-E
Sage Hen 1-6	U-38419	43-047-30382	SEC 6, T-10-S, R-23-E
Sagebrush 1-8	U-37356	43-047-30383	SEC 8, T-10-S, R-23-E
Southman Canyon SWD 3	U-38427	43-047-16880	SEC 16, T-10-S, R-23-E
Jack Rabbit 1-11	U-38426	43-047-30423	SEC 11, T-10-S, R-23-E
Chit Edge 1-16	U-38427	43-047-30482	SEC 16, T-10-S, R-23-E
White River 1-14	U-38427	43-047-30481	SEC 14, T-10-S, R-23-E
Bitter Creek Fed 1-3	U-29787	43-047-30324	SEC 3, T-11-S, R-22-E
Lookout Point 1-16	ML-22186-A	43-047-30544	SEC 16, T-10-S, R-23-E
Pete's Flat Fed 1-1	U-40736	43-047-30368	SEC 1, T-10-S, R-23-E
Sheepherder Fed 1-10	U-38261	43-047-30559	SEC 10, T-10-S, R-23-E
NSO Fed 1-12	U-38422	43-047-30560	SEC 12, T-10-S, R-23-E
Cottonwood Wash #1	U-40729	43-047-31774	SEC 10, T-12-S, R-21-E
Willow Creek #1	U-34705	43-047-31775	SEC 27, T-11-S, R-20-E
East Bench #1	U-25880	43-047-31778	SEC 33, T-11-S, R-22-E
Lizzard Creek 1-10	U-25880	43-047-31476	SEC 10, T-11-S, R-22-E
Archy Bench #1-2	ML-22348-A	43-047-31489	SEC 2, T-11-S, R-22-E
Coors 2-10-HB	UTU-65222	43-047-32009	SEC 10, T-7-S, R-21-E
E Gusher #3	SL-095841-A	43-047-16560	SEC 3, T-6-S, R-20-E
Natural 1-7	U-8346	43-047-30148	SEC 7, T-11-S, R-21-E
Bonanza Federal 3-15	U-38428	43-047-31278	SEC 15, T-10-S, R-23-E
Lafos 1-3	CR201	43-047-31178	SEC 3, T-11-S, R-20-E
State 14-16	ML-40904	43-047-31417	SEC 16, T-7-S, R-21-E
Love Unit 1-18	891018090A	43-047-30708	SEC 18, T-11-S, R-22-E
Love Unit 1-11	891018090A	43-047-30517	SEC 11, T-11-S, R-21-E
Love Unit 1-12	891018090A	43-047-30638	SEC 12, T-11-S, R-21-E
Love Unit 4-1	891018090A	43-047-30540	SEC 4, T-11-S, R-21-E
Love Unit B-1-10	891018090A	43-047-30709	SEC 10, T-11-S, R-21-E
Love Unit B-2-3	891018090A	43-047-30766	SEC 3, T-11-S, R-21-E
Horseshoe Bend #2 (Aka)	U-0142176	43-047-16800	SEC 3, T-7-S, R-21-E

Division of Oil, Gas and Mining  
OPERATOR CHANGE WORKSHEET

Routing:

1- <del>FILE</del> <del>CHIEF</del>
2- <del>DT</del> <del>37-SJ</del>
3- <del>FILE</del> <del>8-FILE</del>
4- <del>R.I.E.</del> <del>V</del>
5- <del>FILE</del>
6- <del>PL</del>

Attach all documentation received by the division regarding this change.  
Initial each listed item when completed. Write N/A if item is not applicable.

<input checked="" type="checkbox"/> Change of Operator (well sold)	<input type="checkbox"/> Designation of Agent
<input type="checkbox"/> Designation of Operator	<input type="checkbox"/> Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 1-01-94)

TO (new operator)	<u>SNYDER OIL CORPORATION</u>	FROM (former operator)	<u>PHOENIX HYDRO OPER CORP</u>
(address)	<u>PO BOX 129</u>	(address)	<u>PO BOX 2802</u>
	<u>BAGGS WY 82321</u>		<u>MIDLAND TX 79702</u>
	<u>KATHY STAMAN</u>		<u>RHONDA PATTERSON</u>
	phone <u>(307) 383-2800</u>		phone <u>(915) 682-1186</u>
	account no. <u>N 1305</u>		account no. <u>N 9880</u>

Well(s) (attach additional page if needed):

Name: <u>**SEE ATTACHED**</u>	API: <u>047-30633</u>	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____
Name: _____	API: _____	Entity: _____	Sec. _____	Twp. _____	Rng. _____	Lease Type: _____

OPERATOR CHANGE DOCUMENTATION

- Sec 1. (Rule R615-8-10) Sundry or other legal documentation has been received from former operator (Attach to this form). *(Rec'd 2-28-94)*
- Sec 2. (Rule R615-8-10) Sundry or other legal documentation has been received from new operator (Attach to this form). *(Rec'd 2-27-94)*
- N/A 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) \_\_\_\_\_ If yes, show company file number: \_\_\_\_\_.
- Sec 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- Sec 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. *(2-28-94)*
- Sec 6. Cardex file has been updated for each well listed above. *(2-28-94)*
- Sec 7. Well file labels have been updated for each well listed above. *(3-2-94)*
- Sec 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. *(2-28-94)*
- Sec 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.



## ENTITY REVIEW

- See 1. (Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) \_\_\_\_ (If entity assignments were changed, attach copies of Form 6, Entity Action Form).
- N/A 2. State Lands and the Tax Commission have been notified through normal procedures of entity changes.

## BOND VERIFICATION (Fee wells only)

- See 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond. *(In progress / Phoenix's IDLOC #m416415/80,000 not to be released until replaced / Both operators aware.)*
- \_\_\_\_ 2. A copy of this form has been placed in the new and former operators' bond files. *\* Upon compl. of routing.*
- See 3. The former operator has requested a release of liability from their bond (yes/no) \_\_\_\_\_. Today's date February 28, 1994. If yes, division response was made by letter dated \_\_\_\_\_ 19\_\_\_\_.

## LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY

- N/A 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated \_\_\_\_\_ 19\_\_\_\_, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested. *OK 3/10/94*
- N/A 2. Copies of documents have been sent to State Lands for changes involving State leases.

## FILMING

- ✓ 1. All attachments to this form have been microfilmed. Date: March 18 1994.

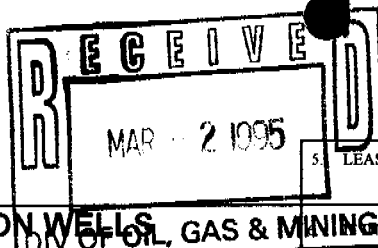
## FILING

- ✓ 1. Copies of all attachments to this form have been filed in each well file.
- ✓ 2. The original of this form and the original attachments have been filed in the Operator Change file.

## COMMENTS

940228 Partial change only. (see separate change)

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS, AND MINING



<b>1. SUNDRY NOTICES AND REPORTS ON WELLS</b> <small>(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use "APPLICATION FOR PERMIT—" for such proposals.)</small>		<b>DIVISION OF OIL, GAS &amp; MINING</b>		5. LEASE DESIGNATION AND SERIAL NO. _____ 6. LANDMAN, ALLOTTEE OR TRIBAL NAME _____	
OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT AGREEMENT NAME _____			
2. NAME OF OPERATOR Snyder Oil Corporation		8. FARM OR LEASE NAME _____			
3. ADDRESS OF OPERATOR 1625 Broadway, Suite 2200, Denver, CO 80202 (303) 592-8500		9. WELL NO. _____			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface Southman Canyon field		10. FIELD AND POOL, OR WILDCAT Southman Canyon			
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA _____			
14. API NUMBER _____	15. ELEVATIONS (Show whether DF, RT, GR, etc.) _____	12. COUNTY OR PARISH Utah		13. STATE UT	
16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data					
NOTICE OF INTENTION TO: TEST WATER SHUT-OFF <input type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> MULTIPLE COMPLETE <input type="checkbox"/> SHOOT OR ACIDIZE <input type="checkbox"/> ABANDON* <input type="checkbox"/> REPAIR WELL <input type="checkbox"/> CHANGE PLANS <input type="checkbox"/> (OTHER) <input checked="" type="checkbox"/>			SUBSEQUENT REPORT OF: WATER SHUT-OFF <input type="checkbox"/> REPAIRING WELL <input type="checkbox"/> FRACTURE TREATMENT <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> SHOOTING OR ACIDIZING <input type="checkbox"/> ABANDONMENT* <input type="checkbox"/> (OTHER) _____ <input type="checkbox"/>		

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Snyder Oil Corporation respectfully requests the following wells be added to list that disposes produced water in the Southman Canyon #3 disposal well:

- 1) Bonanza Federal #3-15
- 2) Lookout Point State #1-16
- 3) Southman Canyon #1-5
- 4) Southman Canyon #4-4
- 5) Southman Canyon #4-5
- 6) Southman Canyon #31-1-L
- 7) Southman Canyon #9-4-J
- 8) Southman Canyon #9-3-M

42-047-30633 Sec 5 T10S R22E

18. I hereby certify that the foregoing is true and correct

SIGNED George Rooney *George B. Rooney* TITLE Sr. Petroleum Engineer

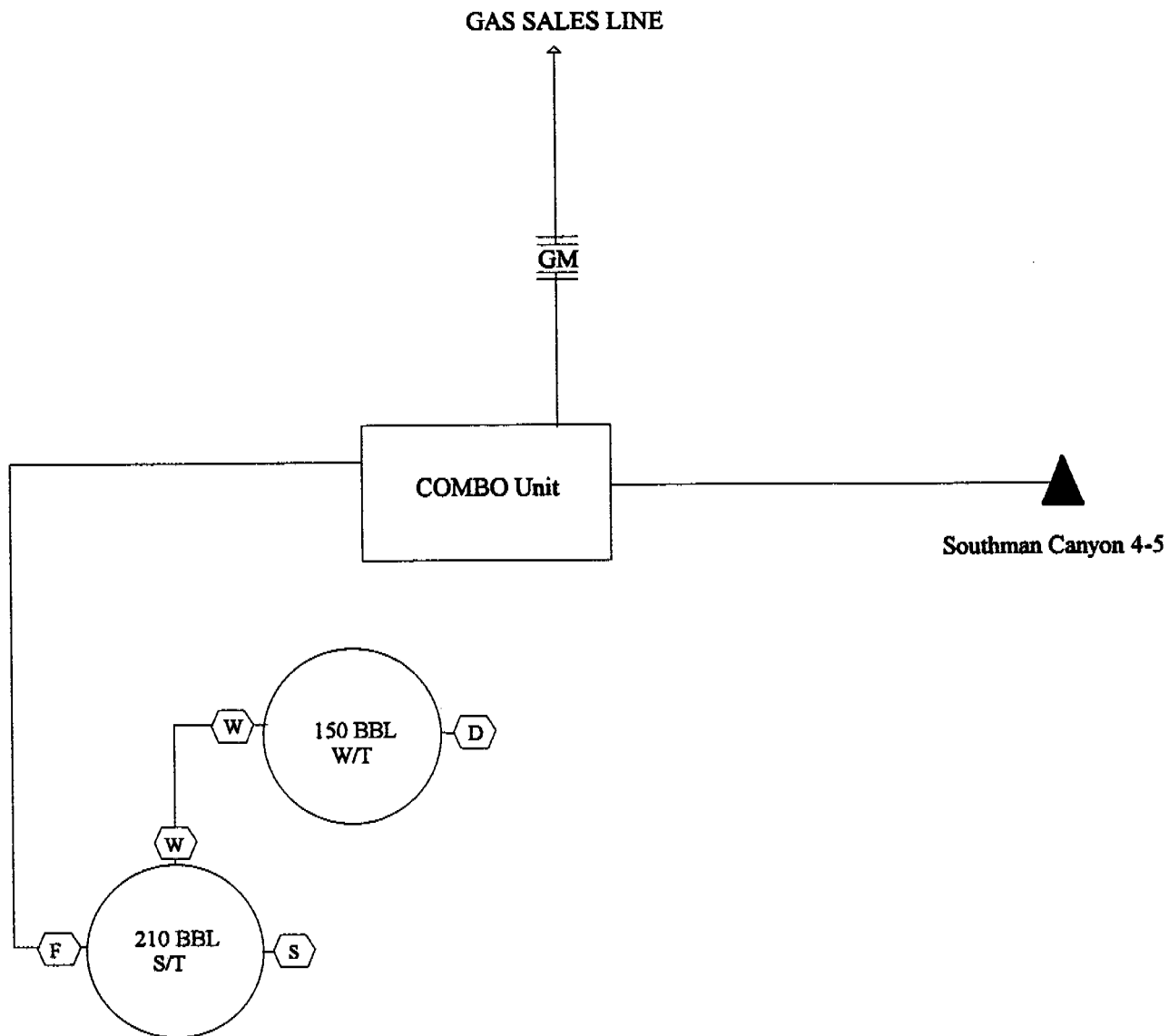
DATE February 15, 1995

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_



SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION  
P.O. BOX 695  
VERNAL, UT 84078



Snyder Oil Corporation	
Southman Canyon 4-5 NESE Sec 5 T10S R23E Uintah County, UT	
Prepared By: JT	8/15/95
BUYS & ASSOCIATES, INC. Environmental Consultants	



Snyder Oil Corporation

P.O. Box 695  
Vernal, Utah 84078  
801/789-0323

February 29, 1996

Utah State Division of Oil Gas & Mining  
3 Triad Center, Suite #350  
355 W. North Temple  
Salt Lake City, UT 84180-1203

MAR - 1 1996

RE: Site Security Diagrams

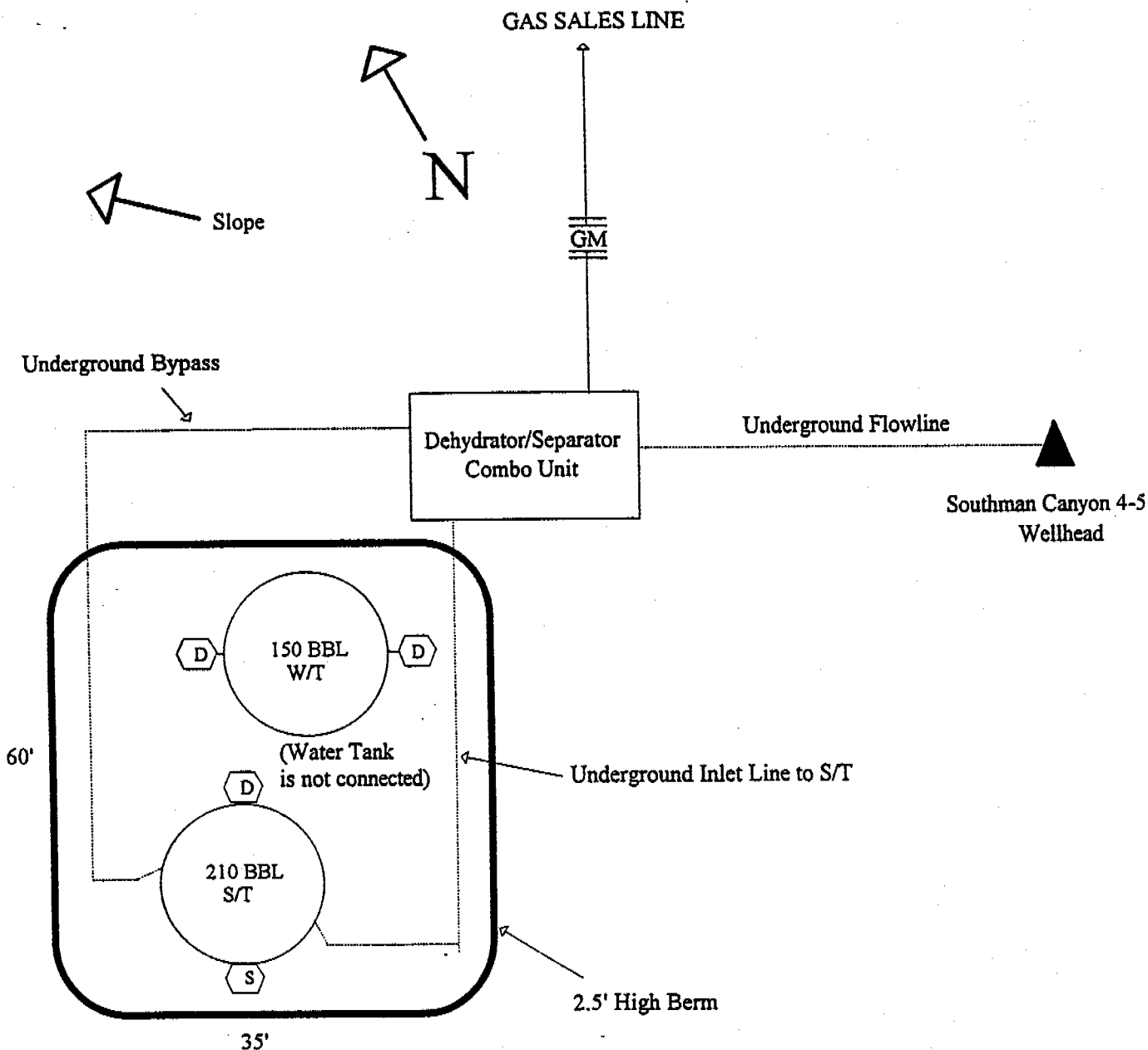
Gentlemen:

Enclosed are copies of Site Security Diagrams for wells operated by Snyder Oil Corporation. We will send you copies of the rest of the diagrams when we receive them from Buys and Associates. If you have any questions, please contact me at 801-789-0323.

Sincerely,

A handwritten signature in cursive script that reads "Lucy Nemec".

Lucy Nemec  
Senior Clerk



SITE SECURITY PLAN LOCATED AT:

SNYDER OIL CORPORATION  
P.O. BOX 695  
VERNAL, UT 84078

42-047-30633

Snyder Oil Corporation	
SOUTHMAN CANYON 4-5 NESE SEC 5 T10S R23E UINTAH COUNTY, UT Lease # U-33433	
Prepared By: TM	01/16/96
BUYS & ASSOCIATES, INC. Environmental Consultants	

**SNYDER OIL CORPORATION**

**VALVING DETAIL**

(Site Security Diagram Attachment)

**Position of Valves and Use of Seals for Tanks in Production Phase**

<b>Valve</b>	<b>Line Purpose</b>	<b>Position</b>	<b>Seal Installed</b>
E	Overflow/Equalizer	Closed	Yes
F	Fill	Open	No
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed	Yes

**Position of Valves and Use of Seals for the Tank in Sales Phase**

<b>Valve</b>	<b>Line Purpose</b>	<b>Position</b>	<b>Seal Installed</b>
E	Overflow/Equalizer	Closed	Yes
F	Fill	Closed	Yes
W	Water	Closed	Yes
D	Drain	Closed	Yes
S	Sales	Closed*	Yes

\*The sales line will be opened by the purchaser at the time of sale. Until that time the sales line will remain closed and sealed.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Designation and Serial No. <b>UTU-33433</b>
2. Name of Operator <b>Snyder Oil Corporation</b> Attn.: <b>Phyllis Sobotik</b>		6. If Indian, Allottee or Tribe Name <b>N/A</b>
3. Address and Telephone No. <b>1625 Broadway, Suite 2200, Denver, CO 80202</b> <b>303-592-8668</b>		7. If Unit or CA, Agreement Designation <b>N/A</b>
4. Location of Well (Footage, Sec., T., R., m., or Survey Description) <b>1620' FSL &amp; 1020' FEL NE/SE Sec. 05-T10S-R23E</b>		8. Well Name and No. <b>Southman Canyon #4-5</b>
		9. API Well No. <b>43-047-30633</b>
		10. Field and Pool, or Exploratory Area <b>Natural Buttes</b>
		11. County or Parish, State <b>Uintah, Utah</b>

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment	<input type="checkbox"/> Change of Plans
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Recompletion	<input type="checkbox"/> New Construction
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Plugging Back	<input type="checkbox"/> Non-Routine Fracturing
	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> Water Shut-Off
	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Conversion to Injection
	<input checked="" type="checkbox"/> Other <u>Enhance Production</u>	<input type="checkbox"/> Dispose Water
		(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

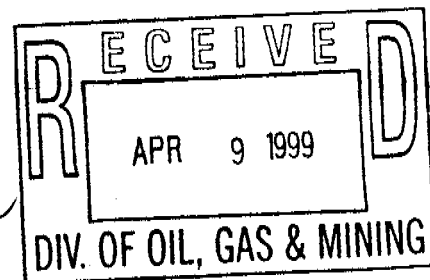
Snyder Oil Corporation performed the following work on the above referenced well to increase production volumes. (Copy of operations report is attached)

MIRU 9/16/98

Pull tbg. RU power swivel. Drl out hard scale to 7586'. Hydro-test tbg in hole. Set pkr RU Halliburton. Acidize well under pkr w/3000 gal 15% HCL. ISIP 1800 lbs.

Swab well. Return to production @ 106 MCF.

RD 9/24/98



Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.

14. I hereby certify that the foregoing is true and correct			
Signed	<u>Phyllis Sobotik</u>	Title	<u>Sr. Regulatory Specialist</u>
(This space for Federal or State office use)		Date	<u>07-Apr-99</u>
Approved by		Title	
Conditions of approval, if any:		Date	

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

# OPERATIONS SUMMARY REPORT

WELL NAME : SOUTHMAN CANYON 4-5-10-23 ACID  
 RIG NAME :  
 FIELD NAME : SOUTHMAN CANYON  
 EVENT No. : 1

AFE No. : 107216  
 WELL ID No. : 107216  
 API No. : 43-047-30633  
 EVENT DESC. : RUN BIT & SCRAPER TO CLEAN OUT

DATE : 9/16/98 DSS : 0 DEPTH : 0 MUD WT : CUM COST TO DATE:\$1,433

HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
24.00	C	OT		MOVE RIG TO LOCATION. RIG UP. RUN SWAB NO GO TO 6800'. SWIFN.

DATE : 9/17/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE:\$5,986

HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
24.00	C	OT		NIPPLE DOWN WELLHEAD. NIPPLE UP BOP'S. RELEASE PACKER. PULL 1 JT TBG WELL BLEW IN. KILLED WELL WITH 50 BBL WATER. PULLED 101 JTS OF TBG WELL BLEW IN. CIRCULATED 50 BBL WATER. PULLED 28 JTS OF TBG WELL BLEW IN. SWIFN.

DATE : 9/18/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE:\$8,737

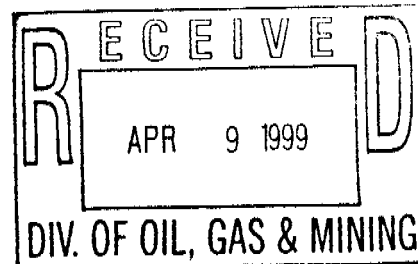
HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
24.00	C	OT		PULLED REST OF TBG. FOUND 2 HOLES IN TBG, JT 138 (5320'). WELL BLEW IN, CIRCULATED 50 BBLS. PULLED REST OF TBG. WELL BLEW IN, BULL HEADED 75 BBL DOWN CSG. RUN TBG WITH BIT AND SCRAPER. WELL BLEW IN, KILLED TBG. RUN REST OF TBG THROUGH STRIPPING HEAD WHILE CSG FLOWING. TAGGED SCALE AT 7379'. SWIFN.

DATE : 9/19/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE:\$10,813

HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
24.00	C	OT		RIG UP POWER SWIVEL. DRILL OUT HARD SCALE TO 7586'. CIRCULATE HOLE CLEAN. PULL TBG, LEAVING 2500' KILL STRING IN HOLE. SWIFN.

DATE : 9/20/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE:\$15,219

HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
24.00	C	OT		PULLED REST OF TBG. RIG HP HYDRO TESTER. PICK UP RTTS PACKER. HYDRO- TEST TBG IN HOLE. PACKER FLOATED ALL THE WAY IN HOLE, WELL FLOWED. RUN TBG THROUGH STRIPPING HEAD. BROKE TBG DISK. PUMPED PACKER FLUID. SET PACKER. NIPPLE DOWN BOP'S. NIPPLE UP WELL HEAD. SWIFN.





## OPERATIONS SUMMARY REPORT

WELL NAME : SOUTHMAN CANYON 4-5-10-23 ACID  
 RIG NAME :  
 FIELD NAME : SOUTHMAN CANYON  
 EVENT No. : 1

AFE No. : 107216  
 WELL ID No. : 107216  
 API No. : 43-047-30633  
 EVENT DESC. : RUN BIT & SCRAPER TO CLEAN OUT

DATE : 9/22/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE: \$29,827

HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
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24.00	C	OT		RIG UP HALLIBURTON. GET INJECTION RATE DOWN CSG: 8 BBL MIN AT 800 LBS. DO ACID JOB DOWN TBG UNDER PACKER AS FOLLOWS: 1.5 BBL MIN AT 400 LBS. 1.9 BBL MIN AT 1533 LBS, BROKE DOWN. 4.8 BBL MIN AT 7300 LBS. 4.9 BBL MIN AT 7450 LBS START ACID AND BALLS. 4.8 BBL MIN AT 7280 LBS. . BALLS GONE. 4.6 BBL MIN AT 7100 LBS ACID GONE. 3000 GAL HCL 15%. 4.5 BBL MIN AT 7500 LBS DISPLACEMENT. .107 BBL TO RECOVER. ISIP 1800 LBS. 5 MIN 1200 LBS. 10 MIN 700 LBS. 15 MIN 310 LBS. BLED OF TBG PSI, TBG SWABED. SWABED BACK 44 BBLS, WELL FLOWED. TOTAL FLUID RECOVERED 65 BBLS. TOTAL BBLS OF FLUID TO RECOVER FROM DRILLING OUT SCALE AND ACID JOB. 328 BBLS. SWIFN. WORK WAS DONE ON 9-21-98.
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DATE : 9/23/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE: \$31,175

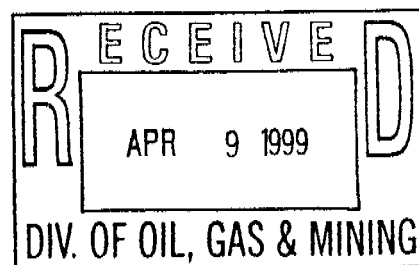
HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
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24.00	C	OT		1050 LBS TBG. WELL BLEW DOWN, MADE 1 SWAB RUN, WELL FLOWED. FLOW TESTED. PUT WELL ON LINE. .RECOVERED 18 BBLS, LTR 310 BBLS. SDFN.
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DATE : 9/24/98 DSS : DEPTH : 0 MUD WT : CUM COST TO DATE: \$32,568

HOURS	PH	OP	ACT	ACTIVITY DESCRIPTION
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24.00	C	OT		900 LBS TBG. WELL SELLING AT 106 MCF. RIG DOWN MOVE OFF LOCATION.
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Snyder Oil Corporation  
Southern Region

1200 Smith, Suite 3300  
Houston, Texas 77002  
713-646-6600

June 7, 1999

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #5736975

Dear Sir or Madam:

Santa Fe Snyder Corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

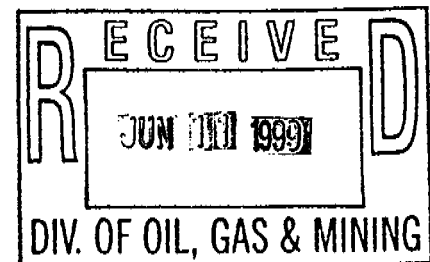
As this merger causes "Snyder" to cease to exist and their activities are covered by bond #JZ7777, please release bond # 5736975 and return it to the sender.

Thank you for your assistance in this matter.

Very truly yours,

Phillip W. Bode

Enclosure



**Santa Fe Energy Resources, Inc.**

June 7, 1999

State of Utah  
Division of Oil, Gas & Mining  
355 West North Temple  
3 Triad Center, Suite 350  
Salt Lake City, UT 84180-1203

RE: \$80,000 Surety Blanket P & A Bond #JZ7777

Dear Sir or Madam:

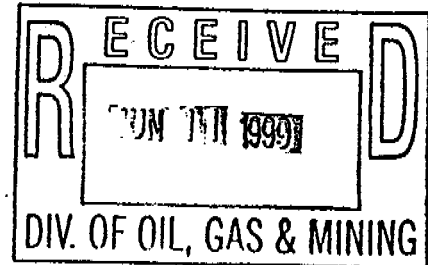
Enclosed is the above bond for Santa Fe Snyder Corporation. This corporation was formed when Snyder Oil Corporation was merged into Santa Fe Energy Resources, Inc. on May 5, 1999. Copies of the approved merger, issued by the Delaware Secretary of State, are enclosed for your files.

Thank you for your assistance in this matter.

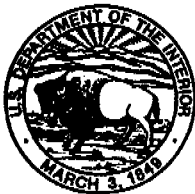
Very truly yours,



Phillip W. Bode



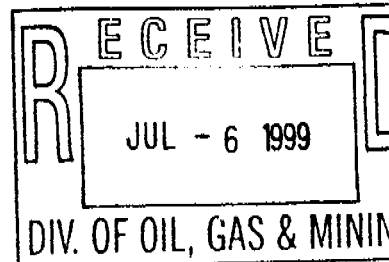
Enclosure



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155



In Reply Refer To:  
3106  
U-19037 et al  
(UT-932)

JUL 1 1999

### NOTICE

Santa Fe Snyder Corporation  
840 Gessner, Suite 1400  
Houston, TX 77024

:  
:  
:

Oil and Gas

### Merger Recognized Name Change Recognized

Acceptable evidence has been filed in this office concerning the merger of Snyder Oil Corporation into Santa Fe Energy Resources, Inc. and the name being subsequently changed to Santa Fe Snyder Corporation as the surviving entity.

For our purposes the merger and name change are recognized effective June 1, 1999, per company request.

The oil and gas lease files identified on the enclosed exhibits have been noted as to the merger and name change. The exhibits were compiled from lists supplied by Santa Fe Snyder Corporation. We have not adjudicated the case files to determine if the entities affected by the merger and name change hold an interest in the leases identified, nor have we attempted to identify leases where the entities are the operator on the ground, maintaining no vested record title or operating rights interest. We are notifying the Minerals Management Service and all applicable BLM offices of the merger and name change by a copy of this notice. If additional documentation for a change of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger and the name change the principal on bonds held by Snyder and Santa Fe are automatically changed to Santa Fe Snyder Corporation. Riders to Nationwide Bond No. 400JF 5493 (BLM Bond No. UT0855) and Nationwide Bond No. 5473615 (BLM Bond No. WY2912) have been filed in the Utah State Office. It is the request of Santa Fe Snyder Corporation to change the name on BLM Bond No. UT0855 to reflect the merger/name change, and to terminate the period of liability on BLM Bond No. WY2912. A decision regarding this matter will follow in due course.

**Christopher J. Merritt**

Christopher J. Merritt  
Acting Group Leader,  
Minerals Adjudication Group

### Enclosures

1. Santa Fe Energy Resources, Inc. Exhibit of Leases
2. Snyder Oil Corporation Exhibit of Leases

### cc:

All State Offices  
Moab Field Office  
Vernal Field Office  
MMS—Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217  
State of Utah, DOGM, Attn: Kristen Risbeck (Ste. 1210) Box 145801, SLC, UT 84114-5801  
St. Paul Fire & Marine Insurance Co., 385 Washington St., St. Paul, MN 55102  
SAFECO Insurance Company of America, SAFECO Plaza, Seattle, WA 98185  
Santa Fe Snyder Corp., Attn: Phyllis Sobotik, 1625 Broadway, #2200, Denver, CO 80202  
Irene Anderson (UT-932)  
Teresa Thompson (UT-931)

**SANTA FE LEASES**

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
BLM NMNM-92488	NM	BLM WYW-59145	WY
BLM NMNM-45235	NM	BLM WYW-43661	WY
BLM NMNM-24877	NM	BLM WYW-0311938	WY
BLM NMNM-93398	NM	BLM WYW-52562	WY
BLM NMNM-96591	NM	BLM WYW EV-022932	WY
BLM NMNM-77894	NM	BLM WYW-27645	WY
BLM NMNM-65900	NM	BLM WYW-043930-A	WY
BLM NMNM-87977	NM	BLM WYW EV-026056	WY
BLM NMNM-65864	NM	BLM WYW-0322610	WY
BLM NMNM-95879	NM	BLM WYW-0320213	WY
BLM NMNM-97394	NM	BLM EV-023313-A	WY
BLM NMNM-98005	NM	BLM WYW-9578	WY
BLM NMNM-98006	NM	BLM WYW-96918	WY
BLM NMNM-98010	NM	BLM WYW-0320078	WY
BLM NMNM-95418	NM	BLM WYW-035599	WY
BLM NMNM-25667	NM	BLM WYW-2120	WY
BLM NMNM-98300	NM	BLM WYEV-024469	WY
BLM NMNM-98033	NM	BLM WYW-0136175	WY
BLM NMNM-998271	NM	BLM WYW-0136177	WY
BLM NMNM-98305	NM	BLM WYW-05991	WY
BLM NMNM-91179	NM	BLM WYW-02736	WY
BLM NMNM-85420	NM	BLM WYW EV-025548	WY
BLM NMNM-100956	NM	BLM EV-023313-E	WY
BLM NMNM-58393	NM	BLM EV-023313-B	WY
BLM OKNM 23555	OK	BLM WYW-21124	WY
BLM NM 15074 (OKLA)	OK	BLM WYW EV-022931	WY
BLM UTU-19037	UT	BLM WYW-61240	WY
BLM UTU-55626	UT	BLM WYW-18480	WY
BLM UTU-38354	UT	BLM WYW-51654	WY
BLM UTU-38401	UT	BLM WYW-50676	WY
BLM UTU-38430	UT	BLM COC-036289 A&B	WY
BLM UTU-42823	UT	BLM WYW-0942	WY
BLM WYEV-026201	WY	BLM WYW-63210	WY
BLM WYW-35860	WY	BLM WYW-66866	WY
BLM WYW-47198	WY	BLM WYW-102793	WY
BLM WYEV-022765	WY	BLM WYW-107726	WY
BLM WYEV-023941	WY	BLM W-70335	WY
BLM WYEV-026196	WY	BLM W-70496	WY
BLM WYEV-026201	WY	BLM W-70326	WY
BLM WYEV-026202	WY	BLM W-55746	WY
BLM WYEV-026204	WY	BLM W-56480	WY
BLM WYEV-026205	WY		
BLM WYEV-026208	WY		
BLM WYEV-026209	WY		
BLM WYW-04674	WY		
BLM WYW-023207	WY		
BLM WYW-023211	WY		
BLM WYW-0268735	WY		
BLM WYCHEY-037066	WY		
BLM WYW-58075	WY		
BLM WYW-17284	WY		
BLM WYW-17296	WY		
BLM WYW-17282(A)	WY		
BLM WYW-55067	WY		

# SNYDER LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA COC-33237	CO	USA U-0136484	UT
USA COC-36719	CO	USA U-37573	UT
USA LAES 49122	LA	USA U-33433	UT
USA LAES 49123	LA	USA U-47172	UT
USA LAES 49124	LA	USA U-37355	UT
USA LAES 49125	LA	USA UTU-15855	UT
USA LAES 49127	LA	USA U-0142175	UT
USA LAES 49128	LA	USA UTU-02651	UT
USA LAES 49129	LA	USA UTU-02651-B	UT
USA LAES 49130	LA	USA U-34705	UT
USA LAES 49131	LA	USA U-40729	UT
USA LAES 49132	LA	USA U-58097	UT
USA LAES 49133	LA	USA U-30289	UT
USA LAES 49134	LA	USA UTU-72632	UT
USA LAES 49135	LA	USA UTU-73013	UT
USA LAES 49136	LA	USA UTU-64376	UT
USA LAES 49137	LA	USA UTU-38261	UT
USA LAES 49138	LA	USA UTU-28212	UT
USA LAES 49139	LA	USA UTU-28213	UT
USA LAES 49140	LA	USA UTU-38419	UT
USA LAES 49141	LA	USA U-53861	UT
USA LAES 49142	LA	USA UTU-38418	UT
USA LAES 49143	LA	USA UTU-66401	UT
USA LAES 49144	LA	USA U-38423	UT
USA LAES 49145	LA	USA UTU-38425	UT
USA LAES 49146	LA	USA U-38421	UT
USA LAES 49147	LA	USA UTU-38428	UT
USA LAES 49148	LA	USA U-38420	UT
USA LAES 49149	LA	USA UTU-34350	UT
USA LAES 49150	LA	USA UTU-39223	UT
USA LAES 49151	LA	USA U-64923	UT
USA LAES 49152	LA	USA UTU-40736	UT
USA LAES 49153	LA	USA U-075939	UT
USA LAES 49154	LA	USA U-70235	UT
USA LAES 49155	LA	USA UTU-44426	UT
USA LAES 49156	LA	USA UTU-57495	UT
USA LAES 49157	LA	USA UTU-57503	UT
USA LAES 49158	LA	USA UTU-52106	UT
USA LAES 49159	LA	USA UTU-59121	UT
USA LAES 49160	LA	USA UTU-73009	UT
USA LAES 49161	LA	USA UTU-73010	UT
USA LAES 49162	LA	USA UTU-50490	UT
USA LAES 49163	LA	USA UTU-65126	UT
USA LAES 49164	LA	USA UTU-49228	UT
USA LAES 49165	LA	USA UTU-53127	UT
USA LAES 49166	LA	USA UTU-65132	UT
USA LAES 49167	LA	USA UTU-63951	UT
USA LAES 49168	LA	USA UTU-47483	UT
USA LAES 49169	LA	USA UTU-63978	UT
USA LAES 49170	LA	USA UTU-69116	UT
USA LAES 49171	LA	USA UTU-65138	UT

# SNYDER LEASES

<u>LESSOR</u>	<u>STATE</u>	<u>LESSOR</u>	<u>STATE</u>
USA LAES 49172	LA	USA UTU-54774	UT
USA LAES 49173	LA	USA UTU-71230	UT
USA LAES 49174	LA	USA UTU-71234	UT
USA LAES 49175	LA	USA UTU-44799	UT
USA LAES 49176	LA	USA UTU-57512	UT
USA LAES 49177	LA	USA UTU-53084	UT
USA LAES 49178	LA	USA UTU-53938	UT
USA LAES 49179	LA	USA UTU-61936	UT
USA LAES 49180	LA	USA UTU-47127	UT
USA LAES 49181	LA	USA UTU-53918	UT
USA LAES 49183	LA	USA UTU-47484	UT
USA LAES 49194	LA	USA UTU-53946	UT
USA LAES 49198	LA	USA UTU-53941	UT
USA LAES 49199	LA	USA UTU-42531	UT
USA LAES 49200	LA	USA U-49245	UT
USA LAES 49201	LA	USA U-50802	UT
USA MTM-38582-A	MT	USA UTU-0647	UT
USA MTM-63708	MT	USA UTU-50687	UT
USA M-13323 (ND)	ND	USA UTU-37116	UT
USA M-68863 (SD)	SD	USA UTU-59122	UT
USA UTU-70189	UT	USA UTU-63985	UT
USA UTU-73175	UT	USA UTU-52298	UT
USA UTU-73434	UT	USA UTU-7386	UT
USA UTU-73435	UT	USA UTU-67178	UT
USA UTU-73444	UT	USA UTU-67549	UT
USA UTU-73450	UT	USA UTU-74416	UT
USA U-8345	UT	USA UTU-74413	UT
USA U-14646	UT	USA UTU-73900	UT
USA U-66746	UT	USA UTU-67868	UT
USA UTU-42469	UT	USA UTU-74414	UT
USA U-65222	UT	USA UTU-49530	UT
USA U-61263	UT	USA UTU-53860	UT
USA UTU-29535	UT	USA UTU-34711	UT
USA U-25880	UT	USA UTU-46699	UT
USA U-65223	UT	USA UTU-73643	UT
USA U-29797	UT	USA UTU-0141804	UT
USA UTU-0109054	UT	USA UTU-75091	UT
USA UTU-8346	UT	USA UTU-75097	UT
USA U-8347	UT	USA UTU-74972	UT
USA UTU-8344	UT	USA UTU-75096	UT
USA U-8344-A	UT	USA UTU-74415	UT
USA UTU-8348	UT	USA UTU-38401	UT
USA U-38424	UT	USA UTU-38411	UT
USA U-38427	UT	USA UTU-31260	UT
USA SL-065841-A	UT	USA UTU-59654	UT
USA UTU-31736	UT	USA U-14219	UT
USA U-38426	UT	USA UTU-30123	UT
USA U-44090-A	UT	USA UTU-34714	UT
USA U-71694	UT	USA UTU-10134	UT
USA U-72028	UT	USA UTU-10830	UT
USA U-51026	UT	USA UTU-14223	UT

# **Santa Fe Snyder Corporation**

July 2, 1999

Utah Division of Oil, Gas & Mining  
1594 W. North Temple, Suite 1210  
P. O. Box 145801  
Salt Lake City, Utah 84114-5801

Attn.: Ms. Kristen Risbeck

RE: Company Merger  
Surety Bond Number - JZ 7777  
Operator Number - N2000

Dear Ms. Risbeck:

Snyder Oil Corporation (SOCO) and Santa Fe Energy Resources, Inc. (Santa Fe) have merged to form Santa Fe Snyder Corporation (SFS). The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, SFS requests that June 1, 1999 be used as the effective date of merger.

Please change all operated facilities, Applications to Drill (approved and in process) and any other regulatory filings from Snyder Oil Corporation to Santa Fe Snyder Corporation. Attached is the following information in support of this request.

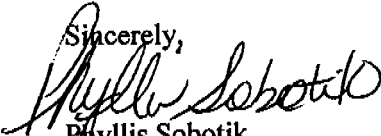
Copy of Merger Certificate  
Copy of the Office of the Secretary of State's Acceptance  
Sundry Notices for Properties Located on Fee or State Land  
Sundry Notice for Federal Properties  
Spreadsheet of all Utah Facilities Operated by SOCO

All correspondence, documents, notifications, etc. should continue to be sent to SFS at the following address

1625 Broadway, Suite 2200  
Denver, CO 80202

Please inform SFS when this request has been accepted and the changes are finalized. If any questions arise or additional information is required, please contact me at 303-592-8668.

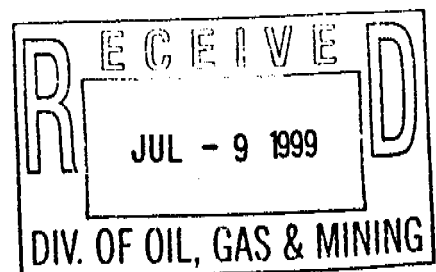
Sincerely,

  
Phyllis Sobotik  
Sr. Regulatory Specialist

/ps

Enclosures:

1625 Broadway  
Suite 2200  
Denver, Colorado 80202  
303/592-8500  
Fax 303/592-8800





State of Delaware  
Office of the Secretary of State

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PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"SNYDER OIL CORPORATION", A DELAWARE CORPORATION,  
WITH AND INTO "SANTA FE ENERGY RESOURCES, INC." UNDER THE NAME OF "SANTA FE SNYDER CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTH DAY OF MAY, A.D. 1999, AT 11 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



  
Edward J. Freel, Secretary of State

0774411 8100M

991177495

AUTHENTICATION: 9725623

DATE: 05-05-99

Surviving Corporation.

5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1616 South Voss Road, Houston, Texas 77057.

6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of Snyder Oil Corporation or Santa Fe Energy Resources, Inc.

Dated this 5th day of May, 1999.

SANTA FE ENERGY RESOURCES, INC.

By: David L. Hicks  
Name: David L. Hicks  
Title: Vice President — Law and  
General Counsel

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

## SUBMIT IN TRIPLICATE

## 1. Type of Well

☐ Oil Well ☐ Gas Well ☐ Other

See Attached List

## 2. Name of Operator

Santa Fe Snyder Corporation

Attn.: Phyllis Sobotik

## 3. Address and Telephone No.

1625 Broadway, Suite 2200, Denver, CO 80202

303-592-8668

## 4. Location of Well (Footage, Sec., T., R., m., or Survey Description)

See Attached List

## 5. Lease Designation and Serial No.

See Attached List

## 6. If Indian, Allottee or Tribe Name

See Attached List

## 7. If Unit or CA, Agreement Designation

## 8. Well Name and No.

See Attached List

## 9. API Well No.

See Attached List

## 10. Field and Pool, or Exploratory Area

See Attached List

## 11. County or Parish, State

See Attached List

## 12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

## TYPE OF SUBMISSION

☐ Notice of Intent  
☐ Subsequent Report  
☐ Final Abandonment Notice

## TYPE OF ACTION

☐ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☒ Other Change of Operator☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

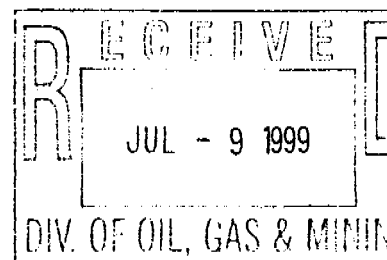
## 13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Snyder Oil Corporation and Santa Fe Energy Resources, Inc. have merged to form Santa Fe Snyder Corporation. The legal acceptance date of the merger is May 5, 1999. However in an effort to simplify documentation issues, Santa Fe Snyder Corporation requests that June 1, 1999 be used as the effective date of merger.

A copy of the Merger Certificate and of the Office of the Secretary of State's Acceptance is attached.

Nationwide BLM Bond Number - UT-0855

Surety Bond Number - 400JF 5433



Please contact Phyllis Sobotik at 303-592-8668 if you have any questions.

## 14. I hereby certify that the foregoing is true and correct

Signed

Title

Sr. Regulatory Specialist

Date

01-Jul-99

(This space for Federal or State office use)

Approved by

Title

Date

Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*See Instruction on Reverse Side

UTAH FACILITIES

Lease	Unit Name	Tribe Name	Field	Stat	County	1/41/4	S	T	R	Lease Number	Mineral Type	API Number	Comments
Horseshoe Bend #4-10			Horseshoe Bend	INA	Uintah	NW/SE	4	7S	22E	U 0136484	FED	43-047-32577	11728
✓ Horseshoe Bend #36-1P			Horseshoe Bend	ACT	Uintah	SE/SE	36	6S	21E	ML 33225	STATE	43-047-31482	9815
Horseshoe Bend Compressor Site			Horseshoe Bend	ACT	Uintah		4	7S	21E				
Jack Rabbit #1-11			Natural Buttes	INA	Uintah	SW/NE	11	10S	23E	U 38425	FED	43-047-30423	1475
✓ L.C.K. #30-1H			Horseshoe Bend	ACT	Uintah	SE/NE	30	6S	21E	N/A	FEE	43-047-31588	10252
Lafkas Federal #1-3			Hill Creek	INA	Uintah	SW/SW	3	11S	20E	U 34350	FED	43-047-31178	1367
Lizzard Creek #1-10			Bitter Creek	ACT	Uintah	NW/NW	10	11S	22E	U 25880	FED	43-047-31482	9870
✓ Lookout Point #1-16			Natural Buttes	ACT	Uintah	NE/SE	16	10S	23E	ML 22186 A	STATE	43-047-30544	1495
Love Unit #1-11	Love		Love	ACT	Uintah	C/SW	11	11S	21E	U 008344 A	FED	43-047-30617	1366
Love Unit #1-12	Love		Love	ACT	Uintah	SW/NW	12	11S	21E	U 008344 A	FED	43-047-30638	1366
Love Unit #4-1	Love		Love	INA	Uintah	NW/SW	4	11S	21E	U 8347	FED	43-047-30640	1366
Love Unit #A1-18	Love		Love	ACT	Uintah	SW/SE	18	11S	21E	U 8348	FED	43-047-30706	1366
Love Unit #B1-10	Love		Love	ACT	Uintah	SE/SW	10	11S	21E	U 8347	FED	43-047-30709	1366
Love Unit #B2-3	Love		Love	INA	Uintah	SW/SW	3	11S	21E	U 8347	FED	43-047-30766	1366
Love Unit Compressor Site			Love	ACT	Uintah			11S	21E				
Madeline #4-3C			Horseshoe Bend	ACT	Uintah	Lot 3	4	7S	21E	U 42469	FED	43-047-32279	11379
McLish #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	ACT	Uintah	SW/SW	8	7S	23E	U 02651	FED	43-047-20280	2760
McLish #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/SE	8	7S	23E	U 02651	FED	43-047-30011	2760
McLish #3			Walker Hollow (Horseshoe Bend)	ACT	Uintah	NE/SE	8	7S	23E	U 02651	FED	43-047-30027	12504
McLish #4	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NE/SW	8	7S	23E	U 02651	FED	43-047-30030	2760
Natural #1-7			Love (Horseshoe Bend)	INA	Uintah	NW/NE	7	11S	21E	U 8345	FED	43-047-30148	6129
No Name Canyon #1-9			Natural Buttes	ACT	Uintah	SE/NE	9	10S	23E	U 37355	FED	43-047-30378	1466
No Name Canyon #2-9			Natural Buttes	ACT	Uintah	NE/NW	8	10S	23E	U 37355	FED	43-047-31504	1468
NSO Federal #1-12			Natural Buttes	ACT	Uintah	NE/NW	12	10S	23E	U 38423	FED	43-047-30560	1480
Pan American #1	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	SW/NW	9	7S	23E	U 02651 A	FED	43-047-30037	
Pan American #2	Walker Hollow		Walker Hollow (Horseshoe Bend)	INA	Uintah	NW/SW	9	7S	23E	U 02651 A	FED	43-047-30038	2760
Pariette Draw #28-44			Windy Ridge West (Eight Mile Flat N.)	ACT	Uintah	SE/SE	28	4S	1E	N/A	FEE	43-047-31408	4960
Pete's Flat #1-1			Natural Buttes	INA	Uintah	NE/SE	1	10S	23E	U 38423	FED	43-047-30558	1510
Sage Hen #1-6			Natural Buttes	INA	Uintah	NE/SE	6	10S	23E	U 38419	FED	43-047-30382	1490
Sagebrush #1-8			Natural Buttes	TAD	Uintah	SW/NE	8	10S	23E	U 37355	FED	43-047-30383	1467
Sheepherder #1-10			Natural Buttes	ACT	Uintah	NE/SE	10	10S	23E	U 38424	FED	43-047-30559	1470
Southman Canyon #1-5 (Federal #1-5)			Natural Buttes	ACT	Uintah	SE/NW	5	10S	23E	U 33433	FED	43-047-30856	10689
Southman Canyon #3			Natural Buttes	WDW	Uintah	NE/SE	15	10S	23E	U 66406	FED	43-047-15880	Saltwater Disposal 99990
Southman Canyon #4-4 (Federal #4-4)			Natural Buttes	INA	Uintah	NW/SE	4	10S	23E	U 33433	FED	43-047-30632	10690
Southman Canyon #4-5			Natural Buttes	ACT	Uintah	NE/SE	5	10S	23E	U 33433	FED	43-047-30633	6131
Southman Canyon #9-3M			Natural Buttes	ACT	Uintah	SW/SW	9	10S	23E	U 37355	FED	43-047-32540	11767
Southman Canyon #9-4J			Natural Buttes	ACT	Uintah	NW/SE	9	10S	23E	U 37355	FED	43-047-32541	11685
Southman Canyon #31-1L			Natural Buttes	ACT	Uintah	SW/	31	9S	23E	U 33433	FED	43-047-32543	11678
✓ State #14-16			Brennan Bottom	ACT	Uintah	SW/SW	16	7S	21E	ML 40904	STATE	43-047-31417	8010

## OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

Routing	
1-KDR	6-KAS
2-GLH	7-SJ
3-JRB	8-FILE
4-CDW	9- <i>[Signature]</i>
5-KDR	

☐ Change of Operator (well sold)☐ Designation of Agent☐ Designation of Operator☒ Operator Name Change Only (MERGER)The operator of the well(s) listed below has changed, effective: 6-1-99

TO: (new operator)	<u>SANTE FE SNYDER CORPORATION</u>	FROM: (old operator)	<u>SNYDER OIL CORPORATION</u>
(address)	<u>P.O. BOX 129</u>	(address)	<u>P.O. BOX 129</u>
	<u>BAGGS, WYOMING 82321</u>		<u>BAGGS, WYOMING 82321</u>
	<u>Phone: (307) 383-2800</u>		<u>Phone: (307) 383-2800</u>
	<u>Account no. N2000 (6-24-99)</u>		<u>Account no. N1305</u>

WELL(S) attach additional page if needed:

\*HORSESHOE BEND, LOVE, EAST BENCH &amp; WALKER HOLLOW UNITS

Name: <u>*SEE ATTACHED*</u>	API: <u>43-017-30633</u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>
Name: <u>      </u>	API: <u>      </u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>
Name: <u>      </u>	API: <u>      </u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>
Name: <u>      </u>	API: <u>      </u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>
Name: <u>      </u>	API: <u>      </u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>
Name: <u>      </u>	API: <u>      </u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>
Name: <u>      </u>	API: <u>      </u>	Entity: <u>      </u>	S <u>      </u>	T <u>      </u>	R <u>      </u>	Lease: <u>      </u>

## OPERATOR CHANGE DOCUMENTATION

- ☒ 1. (r649-8-10) Sundry or other legal documentation has been received from the FORMER operator (attach to this form). *(Rec'd 6.11.99)*
- ☒ 2. (r649-8-10) Sundry or other legal documentation has been received from the NEW operator (Attach to this form). *(Rec'd 6.11.99)*
- ☒ 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is the company registered with the state? (yes/no)        If yes, show company file number: #011879
- ☒ 4. FOR INDIAN AND FEDERAL WELLS ONLY. The BLM has been contacted regarding this change. Make note of BLM status in comments section of this form. BLM approval of Federal and Indian well operator changes should ordinarily take place prior to the division's approval, and before the completion of steps 5 through 9 below. *(Rec'd 7.6.99)*
- ☒ 5. Changes have been entered in the Oil and Gas Information System (3270) for each well listed above. *(7.12.99)*
- ☒ 6. Cardex file has been updated for each well listed above.
- ☒ 7. Well file labels have been updated for each well listed above. *(new system)*
- ☒ 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to Trust Lands, Sovereign Lands, UGS, Tax Commission, etc. *(8.2.99)*
- ☒ 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

## ENTITY REVIEW

1. (r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) no If entity assignments were changed, attach copies of Form 6, Entity Action Form.
2. Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.

## BOND VERIFICATION - (FEE WELLS ONLY)

1. (r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond. (Rec'd 6-11-99 #J27777)
2. A copy of this form has been placed in the new and former operator's bond files.
3. The FORMER operator has requested a release of liability from their bond (yes/no) no, as of today's date 6-11-99. If yes, division response was made to this request by letter dated Aug. 12, 1999

## LEASE INTEREST OWNER NOTIFICATION OF RESPONSIBILITY

1. Copies of documents have been sent on 8/12/99 to Ed Bonner at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding.
2. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated \_\_\_\_\_ 19 \_\_, of their responsibility to notify all interest owners of this change.

## CLIPPING

1. All attachments to this form have been microfilmed. Today's date: 9-29-99.

## CLIPPING

1. Copies of all attachments to this form have been filed in each well file.
2. The original of this form, and the original attachments are now being filed in the Operator Change file.

## COMMENTS

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STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER:
2. NAME OF OPERATOR: El Paso Production Oil & Gas Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
3. ADDRESS OF OPERATOR: 8 South 1200 East CITY Vernal STATE Utah ZIP 84078		7. UNIT or CA AGREEMENT NAME:
4. LOCATION OF WELL FOOTAGES AT SURFACE: _____ QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: _____		8. WELL NAME and NUMBER: Exhibit "A"
PHONE NUMBER: 435-789-4433		9. API NUMBER:
COUNTY: _____		10. FIELD AND POOL, OR WILDCAT:
STATE: UTAH		

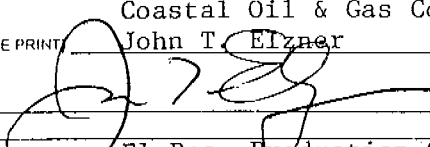
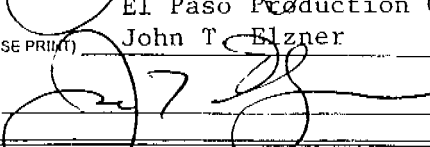
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Name Change
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

As a result of the merger between The Coastal Corporation and a wholly owned subsidiary of El Paso Energy Corporation, the name of Coastal Oil & Gas Corporation has been changed to El Paso Production Oil & Gas Company effective March 9, 2001.

See Exhibit "A"

Bond # 400JU0708

Coastal Oil & Gas Corporation	
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01
El Paso Production Oil & Gas Company	
NAME (PLEASE PRINT) John T. Elzner	TITLE Vice President
SIGNATURE 	DATE 06-15-01

This space for State use only

RECEIVED

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING

State of Delaware  
*Office of the Secretary of State*

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PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "COASTAL OIL & GAS CORPORATION", CHANGING ITS NAME FROM "COASTAL OIL & GAS CORPORATION" TO "EL PASO PRODUCTION OIL & GAS COMPANY", FILED IN THIS OFFICE ON THE NINTH DAY OF MARCH, A.D. 2001, AT 11 O'CLOCK A.M.

RECEIVED

MAR 12 2001

DIVISION OF  
OIL, GAS AND MINING



0610204 8100

010162788

*Harriet Smith Windsor*  
Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 1061007

DATE: 04-03-01



## CERTIFICATE OF AMENDMENT

OF

## CERTIFICATE OF INCORPORATION

COASTAL OIL & GAS CORPORATION (the "Company"), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware, DOES HEREBY CERTIFY:

FIRST: That the Board of Directors of the Company, by the unanimous written consent of its members, filed with the minutes of the Board, adopted a resolution proposing and declaring advisable the following amendment to the Certificate of Incorporation of the Company:

RESOLVED that it is deemed advisable that the Certificate of Incorporation of this Company be amended, and that said Certificate of Incorporation be so amended, by changing the Article thereof numbered "FIRST." so that, as amended, said Article shall be and read as follows:

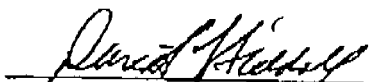
"FIRST. The name of the corporation is El Paso Production Oil & Gas Company."

SECOND: That in lieu of a meeting and vote of stockholders, the stockholders entitled to vote have given unanimous written consent to said amendment in accordance with the provisions of Section 228 of the General Corporation Law of the State of Delaware.

THIRD: That the aforesaid amendment was duly adopted in accordance with the applicable provisions of Sections 242 and 228 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, said COASTAL OIL & GAS CORPORATION has caused this certificate to be signed on its behalf by a Vice President and attested by an Assistant Secretary, this 9th day of March 2001.

COASTAL OIL &amp; GAS CORPORATION



David L. Siddall  
Vice President

Attest:

  
Margaret E. Roark, Assistant Secretary

RECEIVED

STATE OF DELAWARE  
SECRETARY OF STATE  
DIVISION OF CORPORATIONS  
FILED 11:00 AM 03/09/2001  
010118394 - 0610204

JUN 19 2001

DIVISION OF  
OIL, GAS AND MINING



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

# RECEIVED

JUL 12 2001

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:  
3106  
UTSL-065841  
(UT-924)

JUL 10 2001

### NOTICE

El Paso Production Oil & Gas Company : Oil and Gas  
Nine Greenway Plaza :  
Houston TX 77046-0095 :

#### Name Change Recognized

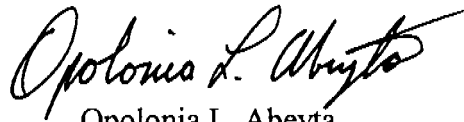
Acceptable evidence has been received in this office concerning the name change of Coastal Oil & Gas Corporation into El Paso Production Oil & Gas Company with El Paso Production Oil & Gas Company being the surviving entity.

For our purposes, the name change is recognized effective March 9, 2001.

The oil and gas lease files identified on the enclosed exhibit have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.

Due to the name change, the name of the principal/obligor on the bond is required to be changed from Coastal Oil & Gas Corporation to El Paso Production Oil & Gas Company. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Wyoming and Colorado.



Opolonia L. Abeyta  
Acting Chief, Branch of  
Minerals Adjudication

Enclosure

1. Exhibit of Leases (1 pp)

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
~~State of Utah, DOGM,~~ Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

### Exhibit of Leases

UTUSL-065841A	UTU-47172	UTU-74415	UTU-53860
UTU-28652	UTU-50687	UTU-74416	UTU-66401
UTU-37943	UTU-52298	UTU-75091	UTU-67868
UTU-44089	UTU-0109054	UTU-75096	UTU-65389
UTU-44090A	UTU-0143511	UTU-75097	UTU-77084
UTU-61263	UTU-0143512	UTU-75673	UTU-61430
UTU-00343	UTU-38401	UTU-76259	UTU-72633
UTU-02651	UTU-38411	UTU-76260	UTU-72650
UTU-02651B	UTU-38418	UTU-76261	UTU-49692
UTU-0142175	UTU-38419	UTU-76493	UTU-57894
UTU-70235	UTU-38420	UTU-76495	UTU-76829
UTU-70406	UTU-38421	UTU-76503	UTU-76830
UTU-74954	UTU-38423	UTU-78228	UTU-76831
UTU-75132	UTU-38424	UTU-78714	
UTU-75699	UTU-38425	UTU-78727	
UTU-76242	UTU-38426	UTU-78734	
UTU-78032	UTU-38427	UTU-79012	
UTU-4377	UTU-38428	UTU-79011	
UTU-4378	UTU-53861	UTU-71694	
UTU-7386	UTU-58097	UTU-00576	
UTU-8344A	UTU-64376	UTU-00647	
UTU-8345	UTU-65222	UTU-01470D	
UTU-8347	UTU-65223	UTU-0136484	
UTU-8621	UTU-66746	UTU-8344	
UTU-14646	UTU-67178	UTU-8346	
UTU-15855	UTU-67549	UTU-8648	
UTU-25880	UTU-72028	UTU-28212	
UTU-28213	UTU-72632	UTU-30289	
UTU-29535	UTU-73009	UTU-31260	
UTU-29797	UTU-73010	UTU-33433	
UTU-31736	UTU-73013	UTU-34711	
UTU-34350	UTU-73175	UTU-46699	
UTU-34705	UTU-73434	UTU-78852	
UTU-37116	UTU-73435	UTU-78853	
UTU-37355	UTU-73444	UTU-78854	
UTU-37573	UTU-73450	UTU-075939	
UTU-38261	UTU-73900	UTU-0149767	
UTU-39223	UTU-74409	UTU-2078	
UTU-40729	UTU-74410	UTU-44426	
UTU-40736	UTU-74413	UTU-49530	
UTU-42469	UTU-74414	UTU-51026	

**OPERATOR CHANGE WORKSHEET****ROUTING**

1. GLH		4-KAS
2. CDW	✓	5-LP ✓
3. JLT		6-FILE

Enter date after each listed item is completed

Change of Operator (Well Sold)

Designation of Agent

Operator Name Change (Only)

**X** MergerThe operator of the well(s) listed below has changed, effective: **3-09-2001****FROM: (Old Operator):**

COASTAL OIL &amp; GAS CORPORATION

Address: 9 GREENWAY PLAZA STE 2721

HOUSTON, TX 77046-0995

Phone: 1-(713)-418-4635

Account N0230

**TO: ( New Operator):**

EL PASO PRODUCTION OIL &amp; GAS COMPANY

Address: 9 GREENWAY PLAZA STE 2721 RM 2975B

HOUSTON, TX 77046-0995

Phone: 1-(832)-676-4721

Account N1845

**CA No.****Unit:****WELL(S)**

NAME	API NO	ENTITY NO	SEC TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
PETES FLAT 1-1	43-047-30558	1510	01-10S-23E	FEDERAL	GW	S
FEDERAL 4-4	43-047-30632	10690	04-10S-23E	FEDERAL	GW	P
<b>SOUTHMAN CANYON 4-5</b>	43-047-30633	6131	05-10S-23E	FEDERAL	GW	P
FEDERAL 1-5 (CA 74473)	43-047-30856	10689	05-10S-23E	FEDERAL	GW	P
SAGE HEN 1-6 (CA CR-3)	43-047-30382	1490	06-10S-23E	FEDERAL	GW	P
FLAT MESA 1-7	43-047-30365	1505	07-10S-23E	FEDERAL	GW	P
FLAT MESA 2-7	43-047-30545	1506	07-10S-23E	FEDERAL	GW	P
SAGE BRUSH 1-8	43-047-30383	1467	08-10S-23E	FEDERAL	GW	TA
NO NAME CANYON 1-9	43-047-30378	1466	09-10S-23E	FEDERAL	GW	P
NO NAME CANYON 2-9	43-047-31504	1468	09-10S-23E	FEDERAL	GW	P
SOUTHMAN CANYON 9-3M	43-047-32540	11767	09-10S-23E	FEDERAL	GW	P
SOUTHMAN CANYON 9-4-J	43-047-32541	11685	09-10S-23E	FEDERAL	GW	P
SHEEPHERDER 1-10 (CA CR-5)	43-047-30559	1470	10-10S-23E	FEDERAL	GW	P
JACK RABBIT 1-11 (CA CR-23)	43-047-30423	1475	11-10S-23E	FEDERAL	GW	S
NSO FEDERAL 1-12 (CA CR-22)	43-047-30560	1480	12-10S-23E	FEDERAL	GW	P
WHITE RIVER 1-14	43-047-30481	1500	14-10S-23E	FEDERAL	GW	P
CLIFF EDGE 1-15	43-047-30462	1524	15-10S-23E	FEDERAL	GW	TA
BONANZA FEDERAL 3-15	43-047-31278	8406	15-10S-23E	FEDERAL	GW	P
CROOKED CANYON 1-17	43-047-30369	1465	17-10S-23E	FEDERAL	GW	S
CANYON VIEW FEDERAL 1-18	43-047-30379	1485	17-10S-23E	FEDERAL	GW	P

**OPERATOR CHANGES DOCUMENTATION**

1. (R649-8 10) Sundry or legal documentation was received from the **FORMER** operator on: 06/19/2001
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 06/19/2001
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 06/21/2001
4. Is the new operator registered in the State of Utah: YES Business Number: 608186-0143

5. If **NO**, the operator was contacted contacted on: N/A
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 07/10/2001
7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 07/10/2001
8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: 07/10/2001
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

---

**DATA ENTRY:**

1. Changes entered in the **Oil and Gas Database** on: 08/23/2001
2. Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 08/23/2001
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

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**STATE BOND VERIFICATION:**

1. State well(s) covered by Bond No.: N/A

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**FEDERAL BOND VERIFICATION:**

1. Federal well(s) covered by Bond No.: WY 2793

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**FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond No: N/A
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A
3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: \_\_\_\_\_

---

**FILMING:**

1. All attachments to this form have been **MICROFILMED** on: \_\_\_\_\_

---

**FILING:**

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: \_\_\_\_\_

---

**COMMENTS:** Master list of all wells involved in operator change from Coastal Oil & Gas Corporation to El Paso Production Oil and Gas Company shall be retained in the "Operator Change File".

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JAN. 17. 2003 3:34PM

WESTPORT

NO. 173

P. 2

**WESTPORT OIL AND GAS COMPANY, L.P.**

410 Seventeenth Street #2300 Denver Colorado 80202-4436  
Telephone: 303 573 5404 Fax: 303 573 5609

February 1, 2002

Department of the Interior  
Bureau of Land Management  
2850 Youngfield Street  
Lakewood, CO 80215-7093  
Attention: Ms. Martha Maxwell

RE: BLM Bond CO-1203  
BLM Nationwide Bond 158626364  
Surety - Continental Casualty Company  
Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Conversion of Westport Oil and Gas Company, Inc., into Westport Oil and Gas Company, L.P.  
Assumption Rider - Westport Oil and Gas Company, L.P.

Dear Ms. Maxwell:

Pursuant to our recent conversations, please find the following list of enclosures for the BLM's consideration and approval:

Two (2) Assumption Riders, fully executed originals.  
Copies of Belco Energy Corporation merger into Westport Oil and Gas Company, Inc.  
Copies of Westport Oil and Gas Company, Inc., conversion into Westport Oil and Gas Company, L.P.  
List of all Federal/BIA/State Leases - Belco/Westport's leases - in all states.

Please inform us of any additional information needed to complete the change to Westport Oil and Gas Company, L.P., as operator of record.

I thank you for your assistance and cooperation in this matter. Please do not hesitate contacting the undersigned, should a question arise.

Sincerely,  
Westport Oil and Gas Company, L.P.

Debby J. Black  
Engineer Technician

Encl:



United States Department of the Interior **RECEIVED**

BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155

FEB 22 2002

DIVISION OF  
OIL, GAS AND MINING

In Reply Refer To:

3106

UTU-25566 et al

(UT-924)

FEB 21 2002

NOTICE

Westport Oil and Gas Company L.P. : Oil and Gas  
410 Seventeenth Street, #2300 :  
Denver Colorado 80215-7093 :

Name Change Recognized

Acceptable evidence has been received in this office concerning the name change of Westport Oil and Gas Company, Inc. into Westport Oil and Gas Company, L.P. with Westport Oil and Gas Company, L.P. being the surviving entity.

For our purposes, the name change is recognized effective December 31, 2001.

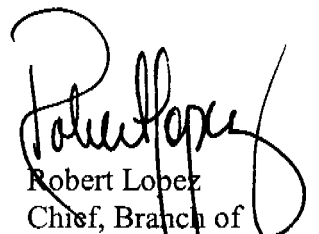
The oil and gas lease files identified have been noted as to the name change. The exhibit was compiled from a list of leases obtained from our computer program. We have not abstracted the lease files to determine if the entities affected by this name change hold an interest in the leases identified nor have we attempted to identify leases where the entities are the operator on the ground maintaining no vested recorded title or operating rights interests. We will be notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

If you identify additional leases in which the entities maintain an interest, please contact this office and we will appropriately document those files with a copy of this Notice.



Due to the name change, the name of the principal/obligor on the bond is required to be changed from Westport Oil and Gas Company, Inc. to Westport Oil and Gas Company, L.P.. You may accomplish this either by consent of surety rider on the original bond or a rider to the original bond. The bonds are held in Colorado.

UTU-03405  
UTU-20895  
UTU-25566  
UTU-43156  
UTU-49518  
UTU-49519  
UTU-49522  
UTU-49523



Robert Lopez  
Chief, Branch of  
Minerals Adjudication

cc: Moab Field Office  
Vernal Field Office  
MMS, Reference Data Branch, MS3130, PO Box 5860, Denver CO 80217  
State of Utah, DOGM, Attn: Jim Thompson (Ste. 1210), Box 145801, SLC UT 84114  
Teresa Thompson (UT-922)  
Joe Incardine (UT-921)

# memorandum

Branch of Real Estate Services  
Uintah & Ouray Agency

Date: 5 December, 2002

Reply to  
Attn of: Supervisory Petroleum Engineer

Subject: Modification of Utah Division of Oil, Gas and Mining Regulations

To: Director, Utah Division of Oil, Gas and Mining Division: John Baza

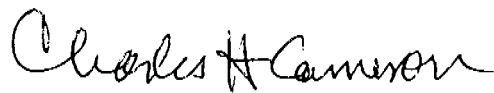
We have been advised of changes occurring with the operation of your database for Change of Operator. You will be modifying your records to reflect Change of Operator once you have received all necessary documentation from the companies involved, and perhaps in advance of our Notice of Concurrence/Approval of Change of Operator where Indian leases are involved.

We have no objection.

With further comment to Rulemaking, I wish to comment concerning the provision of Exhibits for upcoming Hearings. I would like to see the Uintah & Ouray Agency, BIA, and the Ute Indian Tribe, Energy & Mineral Resources Department added to the list of those parties that receive advance Exhibits so as to allow us to have research time prior to Hearing dates. We will be able to provide a more informed recommendation to the Oil, Gas and Mining Board. It would be best if we would receive only those Exhibits that concern Indian lands, specifically on or adjacent to Indian lands. This may be a difficult situation to attain, as it is not always clear where 'on or adjacent' occurs.

I am aware that you have gone to extra effort to correct this matter already, and I fully appreciate it. My request is intended only to allow the addition of Uintah & Ouray Agency and Ute Indian Tribe to the official listing.

We appreciate your concern, and hope that these comments are timely enough for consideration in the revision process.



CC: Minerals & Mining Section of RES  
Ute Energy & Mineral Resources Department: Executive Director  
chrono



# United States Department of the Interior

**BUREAU OF INDIAN AFFAIRS**

Washington, D.C. 20240

**FEB 10 2003**IN REPLY REFER TO:  
**Real Estate Services**

Carroll A. Wilson  
Principal Landman  
Westport Oil and Gas Company, L.P.  
1368 South 1200 East  
Vernal, Utah 84078

Dear Mr. Wilson:

This is in response to your request for approval of RLI Insurance Company's Nationwide Oil and Gas Lease Bond No. RLB0005239 executed effective December 17, 2002, (\$150,000 coverage) with Westport Oil and Gas Company, L. P., as principal.

This bond is hereby approved as of the date of this correspondence and will be retained in the Bureau of Indian Affairs' Division of Real Estate Services, 1849 C Street, NW, MS-4512-MIB, Washington, D.C. 20240. All Bureau oil and gas regional offices and the surety are being informed of this action.

In cases where you have existing individual and/or collective bonds on file with one or more of our regional offices, you may now request those offices, directly, to terminate in lieu of coverage under this Nationwide Bond.

Enclosed is a copy of the approved bond for your files. If we may be of further assistance in this matter, please advise.

Sincerely,

Director, Office of Trust Responsibilities

**ACTING**

Enclosure

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER:

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT or CA AGREEMENT NAME:

8. WELL NAME and NUMBER:

Exhibit "A"

9. API NUMBER:

10. FIELD AND POOL, OR WILDCAT:

1. TYPE OF WELL

OIL WELL ☐

GAS WELL ☐

OTHER

2. NAME OF OPERATOR:

El Paso Production Oil & Gas Company

3. ADDRESS OF OPERATOR:

9 Greenway Plaza

CITY Houston

STATE TX

ZIP 77064-0995

PHONE NUMBER:

(832) 676-5933

4. LOCATION OF WELL

FOOTAGES AT SURFACE:

COUNTY:

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

TYPE OF ACTION



NOTICE OF INTENT

(Submit in Duplicate)

Approximate date work will start:



SUBSEQUENT REPORT

(Submit Original Form Only)

Date of work completion:



ACIDIZE



ALTER CASING



CASING REPAIR



CHANGE TO PREVIOUS PLANS



CHANGE TUBING



CHANGE WELL NAME



CHANGE WELL STATUS



COMMINGLE PRODUCING FORMATIONS



CONVERT WELL TYPE



DEEPEN



FRACTURE TREAT



NEW CONSTRUCTION



OPERATOR CHANGE



PLUG AND ABANDON



PLUG BACK



PRODUCTION (START/RESUME)



RECLAMATION OF WELL SITE



RECOMPLETE - DIFFERENT FORMATION



REPERFORATE CURRENT FORMATION



SIDETRACK TO REPAIR WELL



TEMPORARILY ABANDON



TUBING REPAIR



VENT OR FLARE



WATER DISPOSAL



WATER SHUT-OFF



OTHER:

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Operator change to Westport Oil and Gas Company, L.P., 1670 Broadway, Suite 2800, Denver, CO. 80202-4800, effective December 17, 2002.

BOND #

State Surety Bond No. RLB0005236

Fee Bond No. RLB0005238

EL PASO PRODUCTION OIL & GAS COMPANY

By:

Jon R. Nelson, Attorney-in-Fact

RECEIVED

FEB 28 2003

DIV. OF OIL, GAS & MINING

WESTPORT OIL AND GAS COMPANY, L.P.

NAME (PLEASE PRINT)

David R. Dix

TITLE

Agent and Attorney-in-Fact

SIGNATURE

DATE

12/17/02

(This space for State use only)

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.  
**SEE ATTACHED EXHIBIT "A"**

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.  
**SEE ATTACHED EXHIBIT "A"**

9. API Well No.  
**SEE ATTACHED EXHIBIT "A"**

10. Field and Pool, or Exploratory Area

11. County or Parish, State  
**UINTAH COUNTY, UT**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
**WESTPORT OIL & GAS COMPANY, L.P.**

3a. Address  
**P.O. BOX 1148 VERNAL, UT 84078**

3b. Phone No. (include area code)  
**(435) 781-7023**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SEE ATTACHED EXHIBIT "A"**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>SUCCESSOR OF OPERATOR</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zc. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY, L.P., IS CONSIDERED TO BE THE OPERATOR ON THE ATTACHED DESCRIBED LANDS AND IS RESPONSIBLE UNDER THE TERMS AND CONDITIONS OF THE LEASE FOR THE OPERATIONS CONDUCTED ON THE LEASED LANDS OR PORTIONS THEREOF, BOND COVERAGE FOR THIS WELL IS PROVIDED BY FEDERAL NATIONWIDE BOND NO. 158626364, EFFECTIVE FEBRUARY 1, 2002, AND BIA NATIONWIDE BOND NO. RLB0005239, EFFECTIVE FEBRUARY 10, 2003.

RECEIVED

MAR 04 2003

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)  
**CHERYL CAMERON**

Signature

Title  
**OPERATIONS**

Date  
**March 4, 2003**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Office

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

## OPERATOR CHANGE WORKSHEET

## ROUTING

1. GLH
2. CDW ✓
3. FILE

**X Change of Operator (Well Sold)**

Designation of Agent/Operator

Operator Name Change

Merger

The operator of the well(s) listed below has changed, effective: **12-17-02**

<b>FROM: (Old Operator):</b>	<b>TO: ( New Operator):</b>
EL PASO PRODUCTION OIL & GAS COMPANY	WESTPORT OIL & GAS COMPANY LP
Address: 9 GREENWAY PLAZA	Address: P O BOX 1148
HOUSTON, TX 77064-0995	VERNAL, UT 84078
Phone: 1-(832)-676-5933	Phone: 1-(435)-781-7023
Account No. N1845	Account No. N2115

CA No.

Unit:

## WELL(S)

NAME	SEC TWN RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
UTE TRAIL U 1	08-09S-22E	43-047-15377	2903	FEDERAL	GW	PA
NBU 73	17-09S-22E	43-047-31102	99998	FEDERAL	GW	PA
NBU 61	21-09S-22E	43-047-30900	99998	FEDERAL	GW	PA
STATE 1-32	32-09S-22E	43-047-34317	13419	STATE	GW	P
BITTER CREEK 1	34-09S-22E	43-047-15374	99998	FEDERAL	GW	PA
PETES FLAT 1-1	01-10S-23E	43-047-30558	1510	FEDERAL	GW	S
SOUTHMAN CANYON 4-4 (FED)	04-10S-23E	43-047-30632	10690	FEDERAL	GW	P
BONANZA 4-6	04-10S-23E	43-047-34751	99999	FEDERAL	GW	APD
SOUTHMAN CANYON 4-5	05-10S-23E	43-047-30633	6131	FEDERAL	GW	P
SOUTHMAN CANYON 1-5 (UTU-74473)	05-10S-23E	43-047-30856	10689	FEDERAL	GW	P
SAGE HEN FEDERAL 1-6 (CR-3)	06-10S-23E	43-047-30382	1490	FEDERAL	GW	S
FLAT MESA FEDERAL 1-7	07-10S-23E	43-047-30365	1505	FEDERAL	GW	S
FLAT MESA FEDERAL 2-7	07-10S-23E	43-047-30545	1506	FEDERAL	GW	P
SAGEBRUSH FEDERAL 1-8	08-10S-23E	43-047-30383	1467	FEDERAL	GW	TA
BONANZA 8-2	08-10S-23E	43-047-34087	99999	FEDERAL	GW	APD
BONANZA 8-3	08-10S-23E	43-047-34770	99999	FEDERAL	GW	APD
NO NAME CANYON FEDERAL 1-9	09-10S-23E	43-047-30378	1466	FEDERAL	GW	P
NO NAME CANYON FEDERAL 2-9	09-10S-23E	43-047-31504	1468	FEDERAL	GW	P
SOUTHMAN CANYON 9-3-M	09-10S-23E	43-047-32540	11767	FEDERAL	GW	S
SOUTHMAN CANYON 9-4-J	09-10S-23E	43-047-32541	11685	FEDERAL	GW	P

## OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 02/28/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 03/04/2003
3. The new company has been checked through the **Department of Commerce, Division of Corporations Database** on: 03/06/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
5. If **NO**, the operator was contacted on: \_\_\_\_\_

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM-12/31/2003 BIA-12/5/02

8. **Federal and Indian Units:**

The BLM or BIA has approved the successor of unit operator for wells listed on: 02/27/2003

9. **Federal and Indian Communization Agreements ("CA"):**

The BLM or BIA has approved the operator for all wells listed within a CA on: 01/09/2003

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

**DATA ENTRY:**

1. Changes entered in the Oil and Gas Database on: 03/27/2003
2. Changes have been entered on the Monthly Operator Change Spread Sheet on: 03/27/2003
3. Bond information entered in RBDMS on: N/A
4. Fee wells attached to bond in RBDMS on: N/A

**STATE WELL(S) BOND VERIFICATION:**

1. State well(s) covered by Bond Number: RLB 0005236

**FEDERAL WELL(S) BOND VERIFICATION:**

1. Federal well(s) covered by Bond Number: 158626364

**INDIAN WELL(S) BOND VERIFICATION:**

1. Indian well(s) covered by Bond Number: RLB 0005239

**FEE WELL(S) BOND VERIFICATION:**

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB 0005238
2. The **FORMER** operator has requested a release of liability from their bond on: N/A  
The Division sent response by letter on: N/A

**LEASE INTEREST OWNER NOTIFICATION:**

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: N/A

**COMMENTS:**

# ALL WELLS ROCKY MOUNTAIN GAS- BONANZA/SOUTHMAN CANYON ENARDO VARIANCE

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENW	UTU38421	UTU38421	430473037900S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473056900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENW	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENW	UTU33433	UTU74473	430473085600S1
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
<b>SOUTHMAN CANYON 04-05</b>	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

5. Lease Serial No.  
MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.  
MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.  
MULTIPLE WELLS- SEE ATTACHED

9. API Well No.  
MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area  
BONANZA/SOUTHMAN CANYON

11. County or Parish, State  
UINTAH COUNTY, UTAH

1. Type of Well  
☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator  
WESTPORT OIL & GAS COMPANY, L.P.

3a. Address  
1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)  
435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)  
MULTIPLE WELLS- SEE ATTACHED

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize <input type="checkbox"/> Deepen <input type="checkbox"/> Production (Start/Resume) <input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing <input type="checkbox"/> Fracture Treat <input type="checkbox"/> Reclamation <input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair <input type="checkbox"/> New Construction <input type="checkbox"/> Recomplete <input checked="" type="checkbox"/> Other VARIANCE
	<input type="checkbox"/> Change Plans <input type="checkbox"/> Plug and Abandon <input type="checkbox"/> Temporarily Abandon
	<input type="checkbox"/> Convert to Injection <input type="checkbox"/> Plug Back <input type="checkbox"/> Water Disposal

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomple horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas requests a variance to Onshore Order No. 4, Part III C. a. requiring each sales tank be equipped with a pressure- vacuum thief hatch and/or vent line valve. The variance is requested as an economic analysis shows the value of the shrunk condensate will not payout the incremental cost of purchasing and maintaining the valve resulting in a loss of value over the producing life of the well.

The volume lost to shrinkage by dropping the tank pressure from 6 ozs. To 0 psig is shown to be 0.3% of the tank volume. This was determined by lab analysis of a representative sample from the field. The sample shrunk from 98.82% of original volume to 98.52% when the pressure was dropped. The average well produces approximately 6 bbls condensate per month. The resulting shrinkage would amount to 0.56 bbls per month lost volume due to shrinkage. The value of the shrunk and lost condensate does not recoup or payout the cost of installing and maintaining the valves and other devices that hold the positive tank pressure. An economic run based on the loss and costs is attached. Westport Oil & Gas requests approval of this variance in order to increase the value of the well to the operator and the mineral royalty owners.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed) DEBRA DOMENICI	Title ENVIRONMENTAL ASSISTANT
Signature <i>Debra Domenici</i>	Date July 9, 2004

## THIS SPACE FOR FEDERAL OR STATE USE

Approved by	Title <b>Accepted by the</b> Utah Division of Oil, Gas and Mining	Date
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	<b>Federal Approval Of This Action Is Necessary</b>	
Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.	<b>RECEIVED</b> JUL 14 2004	
(Instructions on reverse)	<b>COPY SENT TO OPERATOR</b> Date: 7-16-04 Initials: CMO	

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUNDRY NOTICES AND REPORTS ON WELLS

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**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

MULTIPLE WELLS- SEE ATTACHED

5. Lease Serial No.

MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.

MULTIPLE WELLS- SEE ATTACHED

9. API Well No.

MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area

MULTIPLE WELLS- SEE ATTACHED

11. County or Parish, State

UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

WESTPORT OIL & GAS COMPANY RESCINDS ANY PREVIOUSLY APPROVED DISPOSAL SITES AND PROPOSES THAT ANY PRODUCED WATER FROM THE ATTACHED LIST OF WELLS WILL BE CONTAINED IN A WATER TANK AND WILL THEN BE HAULED BY TRUCK TO ONE OF THE FOLLOWING PRE-APPROVED DISPOSAL SITES: DALBO, INC.; RNI, SEC. 5-T9S-R22E; ACE OILFIELD, SEC. 2-T6S-R20E; SOUTHMAN CANYON #3 SWD, SEC. 15-T10S-R23E, API NO. 43047158800000S1; AND DIRTY DEVIL FEDERAL 14-10 SWD, SWC. 10-T9S-R24E, API NO. 430473056600S1.

Accepted by the  
Utah Division of  
Oil, Gas and Mining  
**FOR RECORD ONLY**

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBRA DOMENICI

Title

ENVIRONMENTAL ASSISTANT

Signature

Date

July 12, 2004

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JUL 14 2004

DIV. OF OIL, GAS & MINING

# Westport Oil & Gas, L.P.

## Project Economics Worksheet

### Instructions:

Fill in blue boxed areas with before and after project data. The evaluation results are shown below and graphed automatically at the bottom of the page. This sheet is protected to prevent accidental alteration of the formulas. See JTC for changes. OPX entered as annual costs and/or as unit OPX costs for \$/BF and \$/MCF

Project Name:

Condensate Shrinkage Economics

Is this job a well pull or production rig job ??? **N** (Y or N)

	BEFORE \$/Year	AFTER \$/Year	DIFFERENCE \$/Year
Gross Oil Revenue	\$1,088	\$1,099	\$11
Gross Gas Revenue	\$0	\$0	\$0
NGL Revenue	\$0	\$0	\$0
PULLING UNIT SERVICE			\$0
WIRELINE SERVICE			\$0
SUBSURF EQUIP REPAIRS			\$0
COMPANY LABOR			\$0
CONTRACT LABOR	\$0	\$200	\$200
CONTR SERVICE			\$0
LEASE FUEL GAS	\$0	\$0	\$0
UTILITIES - ELECTRICITY	\$0	\$0	\$0
CHEMICAL TREATING			\$0
MATERIAL & SUPPLY	\$0	\$150	\$150
WATER & HAULING			\$0
ADMINISTRATIVE COSTS			\$0
GAS PLANT PROCESSING			\$0
<b>Totals</b>	<b>\$0</b>	<b>\$350</b>	<b>\$350</b>

Increased OPX Per Year

### Investment Breakdown:

	Cap/Exp Code	Cost, \$
Capital \$	820/830/840	\$1,200
Expense \$	830/860	\$0
<b>Total \$</b>		<b>\$1,200</b>

Oil Price	\$ 23.00	\$/BO
Gas Price	\$ 3.10	\$/MCF
Electric Cost	\$ -	\$/ HP / day
OPX/BF	\$ 2.00	\$/BF
OPX/MCF	\$ 0.62	\$/MCF

### Production & OPX Detail:

	Before		After		Difference
Oil Production	0.192	BOPD	0.194	BOPD	0.002
Gas Production	0	MCFPD	0	MCFPD	0
Wtr Production	0	BWPD	0	BWPD	0
Horse Power		HP		HP	0
Fuel Gas Burned		MCFPD		MCFPD	0

### Project Life:

Life = 20.0 Years  
(Life no longer than 20 years)

### Internal Rate of Return:

After Tax IROR = #DIV/0!

### AT Cum Cashflow:

Operating Cashflow = (\$2,917) (Discounted @ 10%)

### Payout Calculation:

$$\text{Payout} = \frac{\text{Total Investment}}{\text{Sum(OPX + Incremental Revenue)}} = 1$$

Payout occurs when total AT cashflow equals investment  
See graph below, note years when cashflow reaches zero

Payout = NEVER Years or #VALUE! Days

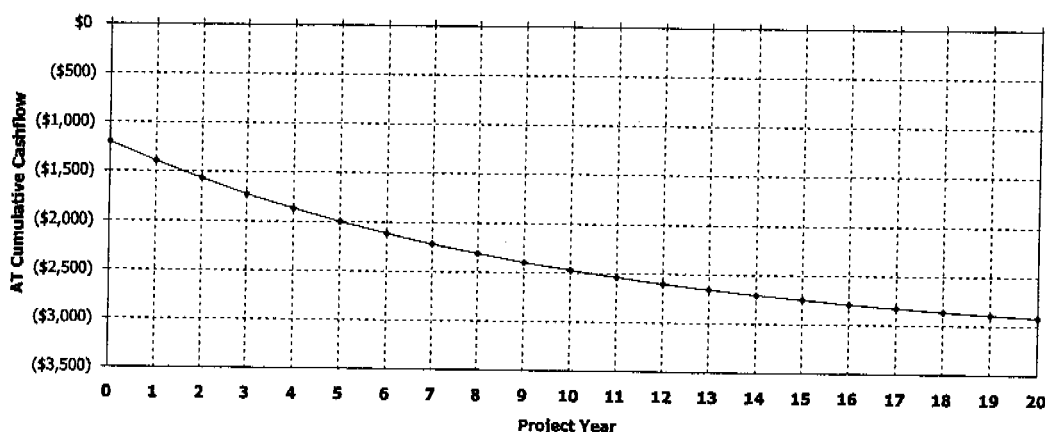
### Gross Reserves:

Oil Reserves = 6 BO  
Gas Reserves = 0 MCF  
Gas Equiv Reserves = 38 MCFE

### Notes/Assumptions:

An average NBU well produces 0.192 Bcpd with no tank pressure. The production is increased to 0.194 Bcpd if 6 ozs of pressure are placed on the tank. The increased production does not payout the valve cost or the estimated annual maintenance costs.

### Project: Condensate Shrinkage Economics



WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	10S	23E	NENE	ML47062		430473534700S1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	10S	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09S	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09S	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S	22E	NWNE	ML22651	891008900A	430473279700S1
CIGE 212	34	09S	22E	NENE	UTU0149077	891008900A	430473293800S1
CIGE 221	36	09S	22E	SWSW	ML22650	891008900A	430473286800S1
CIGE 222	36	09S	22E	NESW	ML22650	891008900A	430473286900S1
CIGE 223	1	10S	22E	NWNW	U011336	891008900A	430473298300S1
CLIFF EDGE 1-15	15	10S	23E	NWSE	UTU38427	UTU38427	430473046200S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1
NBU 1022-1G	1	10S	22E	SWNE	U-11336	891008900A	430473517500S1
NBU 922-35K	35	09S	22E	NESW	UTU-010954A	891008900A	430473512600S1
NBU 922-36I	36	09S	22E	NESE	ML-22650	891008900A	430473510700S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU37355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1

## EXHIBIT A

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
SOUTHMAN CANYON 04-04	4	10S	23E	NWSE	UTU33433	UTU33433	430473063200S1
SOUTHMAN CANYON 04-05	5	10S	23E	NESE	UTU33433	UTU33433	430473063300S1
SOUTHMAN CANYON 09-03M	9	10S	23E	SWSW	UTU37355	UTU37355	430473254000S1
SOUTHMAN CANYON 09-04J	9	10S	23E	NWSE	UTU37355	UTU37355	430473254100S1
SOUTHMAN CANYON 31-01-L	31	09S	23E	NWSW	UTU33433	UTU74898	430473254300S1
SOUTHMAN CANYON 31-02X	31	09S	23E	NWNW	UTU33433	UTU33433	430473489800S1
SOUTHMAN CANYON 31-03	31	09S	23E	SENW	UTU33433	UTU33433	430473472600S1
SOUTHMAN CANYON 31-04	31	09S	23E	SESW	UTU33433		430473472700S1
SOUTHMAN CANYON 923-31B	31	09S	23E	NWNE	U-33433	UTU33433	430473515000S1
SOUTHMAN CANYON 923-31J	31	09S	23E	NWSE	U-33433	UTU33433	430473514900S1
SOUTHMAN CANYON 923-31P	31	09S	23E	SESE	U-33433		430473528800S1
SOUTHMAN CANYON SWD #3	15	10S	23E	NESE	UTU-38427		430471588000S1
WHITE RIVER 1-14	14	10S	23E	NENW	UTU38427	UTU38427	430473048100S1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

5. Lease Serial No.

MULTIPLE WELLS- SEE ATTACHED

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

MULTIPLE WELLS- SEE ATTACHED

8. Well Name and No.

MULTIPLE WELLS- SEE ATTACHED

9. API Well No.

MULTIPLE WELLS- SEE ATTACHED

10. Field and Pool, or Exploratory Area

MULTIPLE WELLS- SEE ATTACHED

11. County or Parish, State

UINTAH COUNTY, UTAH

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY, L.P.

3a. Address

1368 SOUTH 1200 EAST, VERNAL, UTAH 84078

3b. Phone No. (include area code)

435-781-7060

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

MULTIPLE WELLS- SEE ATTACHED

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other _____
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input checked="" type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

Westport Oil & Gas Company rescinds any previously approved disposal sites and proposes that any produced water from the attached list of wells on Exhibit A will be contained in a water tank and will then be hauled by truck to one of the following pre-approved disposal sites: Dalbo, Inc. Disposal Pit; RNI Disposal Pit, Sec. 5-T9S-R22E; Ace Oilfield Disposal, Sec. 2-T6S-R20E; Southman Canyon #3 SWD, Sec. 15-T10S-R23E, API No. 43047158800000S1 CIGE 9 SWD, Sec. 36-T9S-R22E; and Dirty Devil Federal 14-10 SWD, Sec. 10-T9S-R24E, API No. 430473056600S1. The disposal/emergency pits for the locations listed on Exhibit B will be reclaimed within the 2004 year. The rest of the locations that have disposal/emergency pits which are listed on Exhibit C will have their pits reclaimed by September 2008.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

DEBRA DOMENICI

Title

ENVIRONMENTAL ASSISTANT

Signature

*Debra Domenici*

Date

July 22, 2004

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED  
JUL 27 2004  
DIV. OF OIL, GAS & MINING  
Accepted by the  
Utah Division of  
Oil, Gas and Mining  
FOR RECORD ONLY

## EXHIBIT A

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
BONANZA 04-06	4	10S	23E	NESW	U-33433	UTU33433	430473475100S1
BONANZA 06-02	6	10S	23E	NESW	UTU38419	UTU38419	430473484300S1
BONANZA 08-02	8	10S	23E	SESE	UTU37355	UTU37355	430473408700S1
BONANZA 08-03	8	10S	23E	NWNW	U-37355	UTU37355	430473477000S1
BONANZA 09-05	9	10S	23E	SESW	U-37355	UTU37355	430473486600S1
BONANZA 09-06	9	10S	23E	NWNE	U-37355	UTU37355	430473477100S1
BONANZA 10-02	10	10S	23E	NWNW	U72028	UTU80201	430473470400S1
BONANZA 10-03	10	10S	23E	NWNE	UTU38261	CR-5	430473472800S1
BONANZA 10-04	10	10S	23E	SENE	UTU40736	CR-5	430473477200S1
BONANZA 1023-2A	2	10S	23E	NENE	ML47062		430473534700S1
BONANZA 1023-2C	2	10S	23E	NENW	ML47062		430473534600S1
BONANZA 1023-2E	2	10S	23E	SWNW	ML47062		430473534500S1
BONANZA 1023-4E	4	10S	23E	SWNW	U-33433		43047353920S1
BONANZA 1023-6C	6	10S	23E	NENW	U-38419	UTU38419	430473515300S1
BONANZA 1023-7B	7	10S	23E	NWNE	U-38420	UTU38420	430473517200S1
BONANZA 1023-7L	7	10S	23E	NWSW	U-38420		430473528900S1
BONANZA 11-02	11	10S	23E	SWNW	UTU38425	CR-23	430473477300S1
BONANZA FEDERAL 03-15	15	10S	23E	NENW	UTU38428	UTU38428	430473127800S1
CANYON VIEW FEDERAL 1-18	18	10S	23E	SENE	UTU38421	UTU38421	430473037900S1
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 147	36	09S	22E	SESW	ML22650	891008900A	430473202000S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
CIGE 186	35	09S	22E	NWSE	UTU010954A	891008900A	430473259000S1
CIGE 193	35	09S	22E	SESE	UTU010954A	891008900A	430473297300S1
CIGE 194	1	10S	22E	SWNW	U011336	891008900A	430473293200S1
CIGE 195	2	10S	22E	NWNE	ML22651	891008900A	430473279700S1
CIGE 212	34	09S	22E	NENE	UTU0149077	891008900A	430473293800S1
CIGE 221	36	09S	22E	SWSW	ML22650	891008900A	430473286800S1
CIGE 222	36	09S	22E	NESW	ML22650	891008900A	430473286900S1
CIGE 223	1	10S	22E	NWNW	U011336	891008900A	430473298300S1
CLIFF EDGE 1-15	15	10S	23E	NWSE	UTU38427	UTU38427	430473046200S1
CROOKED CYN FED 1-17	17	10S	23E	NESW	UTU37355	UTU37355	430473036900S1
FLAT MESA FEDERAL 1-7	7	10S	23E	NWSE	UTU38420	UTU38420	430473036500S1
FLAT MESA FEDERAL 2-7	7	10S	23E	SENE	UTU38420	UTU38420	430473054500S1
JACK RABBIT 1-11	11	10S	23E	SWNE	UTU38425	CR-23	430473042300S1
LOOKOUT POINT STATE 1-16	16	10S	23E	NESE	ML22186A		430473054400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1
NBU 1022-1G	1	10S	22E	SWNE	U-11336	891008900A	430473517500S1
NBU 922-35K	35	09S	22E	NESW	UTU-010954A	891008900A	430473512600S1
NBU 922-36I	36	09S	22E	NESE	ML-22650	891008900A	430473510700S1
NO NAME CANYON 1-9	9	10S	23E	SENE	UTU037355	UTU37355	430473037800S1
NO NAME CANYON 2-9	9	10S	23E	NENW	UTU037355	UTU37355	430473150400S1
NSO FEDERAL 1-12	12	10S	23E	NENW	UTU38423	CR-22	430473056000S1
PETE'S FLAT 1-1	1	10S	23E	NESE	UTU40736		430473055800S1
SAGE HEN FEDERAL 1-6	6	10S	23E	NESE	UTU38419	CR-3	430473038200S1
SAGEBRUSH FEDERAL 1-8	8	10S	23E	SWNE	UTU37355	UTU37355	430473038300S1
SHEEPHERDER FEDERAL 1-10	10	10S	23E	NESE	UTU38424	CR-5	430473055900S1
SOUTHMAN CANYON 01-05 FED	5	10S	23E	SENE	UTU33433	UTU74473	430473085600S1



EXHIBIT B  
PITS TO BE RECLAIMED IN 2004

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1

EXHIBIT C  
PITS TO BE RECLAIMED BY SEPTEMBER, 2008

WELL	LEGALS				STF LEASE NO	CA NUMBER	API NO
	SEC	TWN	RGE	QTR/QTR			
CIGE 008	35	09S	22E	SWSE	UTU010954A	891008900A	430473042700S1
CIGE 009	36	09S	22E	NWSE	ML22650	891008900A	430473041900S1
CIGE 010	2	10S	22E	NWSE	ML22651	891008900A	430473042500S1
CIGE 031	1	10S	22E	SWNW	U011336	891008900A	430473051100S1
CIGE 062D	36	09S	22E	NWSW	ML22650	891008900A	430473088500S1
CIGE 067A	2	10S	22E	NENE	ML22651	891008900A	430473093800S1
CIGE 068D	35	09S	22E	NWSW	UTU010954A	891008900A	430473095100S1
CIGE 089D	34	09S	22E	SENE	UTU0149077	891008900A	430473114600S1
CIGE 105D	1	10S	22E	NENW	U011336	891008900A	430473175800S1
CIGE 118	35	09S	22E	NESE	UTU010954A	891008900A	430473202500S1
CIGE 144	2	10S	22E	SWNE	ML22651	891008900A	430473202200S1
CIGE 153	35	09S	22E	SESW	UTU010954A	891008900A	430473206700S1
CIGE 161	2	10S	22E	SESE	ML22651	891008900A	430473216800S1
CIGE 162	36	09S	22E	SESE	ML22650	891008900A	430473216400S1
NBU 024N2	12	10S	22E	SESE	U01197A	891008900A	430473053500S1
NBU 038N2	13	10S	22E	NWSW	U06512	891008900A	430473053600S1

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

NESE SECTION 5-T10S-R23E 1620'FSL & 1020'FEL

5. Lease Serial No.

U-33433

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

SOUTHMAN CANYON 4-5

9. API Well No.

43-047-30633

10. Field and Pool, or Exploratory Area

SOUTHMAN CANYON

11. County or Parish, State

UINTAH, UTAH

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input checked="" type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

4/11/05: PMP 2 DRUMS OF 15% HCL ACID DOWN TBG.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

Sheila Upchego

Signature

Title

Regulatory Analyst

Date

May 5, 2005

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

MAY 10 2005

DIV. OF OIL, GAS & MINING

# Westport Oil and Gas, Inc.

NBU/Ouray Field

RFL 2003-022

## COMPARISON OF FLASH BACK PRESSURES

Calculated by Characterized Equation-of-State

Flash Conditions		Gas/Oil Ratio (scf/STbbl) (A)	Specific Gravity of Flashed Gas (Air=1.000)	Separator Volume Factor (B)	Separator Volume Percent (C)
psig	°F				

### Calculated at Laboratory Flash Conditions

80	70			1.019	
0	122	30.4	0.993	1.033	101.37%
0	60	0.0	—	1.000	98.14%

### Calculated Flash with Backpressure using Tuned EOS

80	70			1.015	
6.0 oz	65	24.6	0.777	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
4.0 oz	65	24.7	0.778	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
2.0 oz	65	24.7	0.779	1.003	98.82%
0	60	0.0	—	1.000	98.52%
80	70			1.015	
0	65	24.8	0.780	1.003	98.82%
0	60	0.0	—	1.000	98.52%

(A) Cubic Feet of gas at 14.696 psia and 60 °F per Barrel of Stock Tank Oil at 60 °F.

(B) Barrels of oil at indicated pressure and temperature per Barrel of Stock Tank Oil at 60 °F.

(C) Oil volume at indicated pressure and temperature as a percentage of original saturated oil volume.

Note: Bubblepoint of sample in original sample container was 80 psig at 70° F with 1 cc water

Division of Oil, Gas and Mining  
**OPERATOR CHANGE WORKSHEET**

ROUTING	
1. DJJ	
2. CDW	

**X Change of Operator (Well Sold)**

Operator Name Change/Merger

The operator of the well(s) listed below has changed, effective:		<b>1/6/2006</b>
<b>FROM: (Old Operator):</b> N2115-Westport Oil & Gas Co., LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024		<b>TO: ( New Operator):</b> N2995-Kerr-McGee Oil & Gas Onshore, LP 1368 South 1200 East Vernal, UT 84078 Phone: 1-(435) 781-7024

CA No.				Unit:				
WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS

**OPERATOR CHANGES DOCUMENTATION**

Enter date after each listed item is completed

- (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 5/10/2006
- (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 5/10/2006
- The new company was checked on the **Department of Commerce, Division of Corporations Database** on: 3/7/2006
- 4a. Is the new operator registered in the State of Utah: YES Business Number: 1355743-0181
- 4b. If **NO**, the operator was contacted on: \_\_\_\_\_
- 5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
- 5b. Inspections of LA PA state/fee well sites complete on: n/a
- 5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 3/27/2006 BIA not yet
7. **Federal and Indian Units:**  
The BLM or BIA has approved the successor of unit operator for wells listed on: 3/27/2006
8. **Federal and Indian Communization Agreements ("CA"):**  
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject**, for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: \_\_\_\_\_

**DATA ENTRY:**

- Changes entered in the **Oil and Gas Database** on: 5/15/2006
- Changes have been entered on the **Monthly Operator Change Spread Sheet** on: 5/15/2006
- Bond information entered in RBDMS on: 5/15/2006
- Fee/State wells attached to bond in RBDMS on: 5/16/2006
- Injection Projects to new operator in RBDMS on: \_\_\_\_\_
- Receipt of Acceptance of Drilling Procedures for APD/New on: n/a Name Change Only

**BOND VERIFICATION:**

- Federal well(s) covered by Bond Number: CO1203
- Indian well(s) covered by Bond Number: RLB0005239
- (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number RLB0005236
- a. The **FORMER** operator has requested a release of liability from their bond on: n/a rider added KMG  
The Division sent response by letter on: \_\_\_\_\_

**LEASE INTEREST OWNER NOTIFICATION:**

- (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: 5/16/2006

**COMMENTS:**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

KERR-McGEE OIL & GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

PLEASE BE ADVISED THAT KERR-McGEE OIL & GAS ONSHORE LP, IS CONSIDERED TO BE THE OPERATOR OF THE ATTACHED WELL LOCATIONS. EFFECTIVE JANUARY 6, 2006.

KERR-McGEE OIL & GAS ONSHORE LP, IS RESPONSIBLE UNDER TERMS AND CONDITIONS OF THE LEASE(S) FOR THE OPERATIONS CONDUCTED UPON LEASE LANDS. BOND COVERAGE IS PROVIDED BY STATE OF UTAH NATIONWIDE BOND NO. RLB0005237.

RECEIVED

MAY 10 2006

DIV. OF OIL, GAS & MINING

BLM BOND = C01203

BIA BOND = RLB0005237

APPROVED 5/16/06

Earlene Russell

Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

RANDY BAYNE

Signature

Randy Bayne

Title

DRILLING MANAGER

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

5. Lease Serial No.

MULTIPLE LEASES

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

MUTIPLE WELLS

9. API Well No.

10. Field and Pool, or Exploratory Area

11. County or Parish, State

UINTAH COUNTY, UTAH

SUBMIT IN TRIPLICATE - Other instructions on reverse side

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

WESTPORT OIL & GAS COMPANY L.P.

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SEE ATTACHED

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other CHANGE OF OPERATOR
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

EFFECTIVE JANUARY 6, 2006, WESTPORT OIL & GAS COMPANY L.P., HAS RELINQUISHED THE OPERATORSHIP OF THE ATTACHED WELL LOCATIONS TO KERR-McGEE OIL & GAS ONSHORE LP.

APPROVED 5/16/06  
*Earlene Russell*  
Division of Oil, Gas and Mining  
Earlene Russell, Engineering Technician

RECEIVED  
MAY 10 2006

DIV OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

BRAD LANEY

Signature

Title

ENGINEERING SPECIALIST

Date

May 9, 2006

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.



## United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Colorado State Office  
2850 Youngfield Street  
Lakewood, Colorado 80215-7076

IN REPLY REFER TO:

CO922 (MM)  
3106  
COC017387 et. al.

March 23, 2006

### NOTICE

Kerr-McGee Oil & Gas Onshore L.P. :  
1999 Broadway, Suite 3700 : Oil & Gas  
Denver, CO 80202 :

#### Merger/Name Change - Recognized

On February 28, 2006 this office received acceptable evidence of the following mergers and name conversion:

Kerr-McGee Oil & Gas Onshore L.P., a Delaware Limited Partnership, and Kerr-McGee Oil & Gas Onshore LLC, a Delaware Limited Partnership merger with and into Westport Oil and Gas Company L.P., a Delaware Limited Partnership, and subsequent Westport Oil & Gas Company L.P. name conversion to Kerr-McGee Oil & Gas Onshore L.P.

For our purposes the merger and name conversion was effective January 4, 2006, the date the Secretary of State of Delaware authenticated the mergers and name conversion.

Kerr-McGee Oil & Gas Onshore L.P. provided a list of oil and gas leases held by the merging parties with the request that the Bureau of Land Management change all their lease records from the named entities to the new entity, Kerr-McGee Oil & Gas Onshore L.P. In response to this request each state is asked to retrieve their own list of leases in the names of these entities from the Bureau of Land Management's (BLM) automated LR2000 data base.

The oil and gas lease files identified on the list provided by Kerr-McGee Oil & Gas Onshore L.P. have been updated as to the merger and name conversion. We have not abstracted the lease files to determine if the entities affected by the acceptance of these documents holds an interest in the lease, nor have we attempt to identify leases where the entity is the operator on the ground that maintains vested record title or operating rights interests. If additional documentation, for change of operator, is required you will be contacted directly by the appropriate Field Office. The Mineral Management Services (MMS) and other applicable BLM offices were notified of the merger with a copy of this notice

Please contact this office if you identify additional leases where the merging party maintains an interest, under our jurisdiction, and we will document the case files with a copy of this notice. If the leases are under the jurisdiction of another State Office that information will be forwarded to them for their action.



Three riders accompanied the merger/name conversion documents which will add Kerr-McGee Oil and Gas Onshore LLC as a principal to the 3 Kerr-McGee bonds maintained by the Wyoming State Office. These riders will be forward to them for their acceptance.

The Nationwide Oil & Gas Continental Casualty Company Bond #158626364 (BLM Bond #CO1203), maintained by the Colorado State Office, will remain in full force and effect until an assumption rider is accepted by the Wyoming State Office that conditions their Nationwide Safeco bond to accept all outstanding liability on the oil and gas leases attached to the Colorado bond.

If you have questions about this action you may call me at 303.239.3768.

/s/Martha L. Maxwell  
Martha L. Maxwell  
Land Law Examiner  
Fluid Minerals Adjudication

Attachment:

List of OG Leases to each of the following offices:

MMS MRM, MS 357B-1

WY, UT, NM/OK/TX, MT/ND, WY State Offices

CO Field Offices

Wyoming State Office

Rider #1 to Bond WY2357

Rider #2 to Bond WY1865

Rider #3 to Bond WY1127



# United States Department of the Interior

BUREAU OF LAND MANAGEMENT  
Utah State Office  
P.O. Box 45155  
Salt Lake City, UT 84145-0155  
<http://www.blm.gov>



IN REPLY REFER TO:  
3106  
(UT-922)

March 27, 2006

## Memorandum

To: Vernal Field Office

From: Chief, Branch of Fluid Minerals

Subject: Merger Approval

Attached is an approved copy of the merger recognized by the Bureau of Land Management, Colorado State Office. We have updated our records to reflect the merger from Westport Oil and Gas Company L.P. into Kerr-McGee Onshore Oil and Gas Company. The merger was approved effective January 4, 2006.

Chief, Branch of  
Fluid Minerals

## Enclosure

Approval letter from BLM COSO (2 pp)

cc: MMS, Reference Data Branch, James Sykes, PO Box 25165, Denver CO 80225  
State of Utah, DOGM, Attn: Earlene Russell, PO Box 145801, SLC UT 84114  
Teresa Thompson  
Joe Incardine  
Connie Seare  
Dave Mascarenas  
Susan Bauman

RECEIVED

MAR 28 2006

U.S. DEPT. OF THE INTERIOR

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB NO. 1004-0135  
Expires: July 31, 2010**SUNDRY NOTICES AND REPORTS ON WELLS***Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.***SUBMIT IN TRIPLICATE - Other instructions on reverse side.**

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU33433
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE		6. If Indian, Allottee or Tribe Name
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		7. If Unit or CA/Agreement, Name and/or No.
3b. Phone No. (include area code) Ph: 435-781-7024		8. Well Name and No. SOUTHMAN CANYON 4-5
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 5 T10S R23E NESE 1620FSL 1020FEL		9. API Well No. 43-047-30633
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input checked="" type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

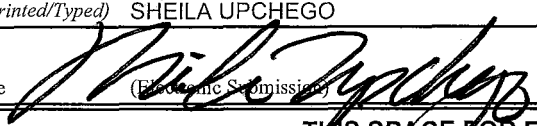
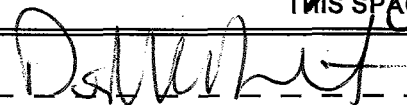
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THE OPERATOR REQUESTS AUTHORIZATION TO TEMPORARILY ABANDON THE SUBJECT WELL. THE OPERATOR PROPOSES TO TEMPORARILY ABANDON THE WELL TO DRILL THE SOUTHMAN CANYON 1023-5IT A TWIN WELL.

PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON PROCEDURE.

COPY SENT TO OPERATOR

Date: 5.4.2009Initials: KS

14. I hereby certify that the foregoing is true and correct. Electronic Submission #69095 verified by the BLM Well Information System For KERR-MCGEE OIL & GAS ONSHORE L, sent to the Vernal	
Name (Printed/Typed) SHEILA UPCHEGO	Title OPERATIONS
Signature  (Electronic Submission)	Date 04/20/2009
THIS SPACE FOR FEDERAL OR STATE OFFICE USE	
Approved By 	Title Pet. Eng. Date 4/28/09
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.	Federal Approval Of This Action Is Necessary Office Doc m

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**RECEIVED****\*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\* OPERATOR-SUBMITTED \*\*****APR 21 2009**

DIV. OF OIL, GAS &amp; MINING

SOUTHMAN CANYON 4-5  
 1620' FSL & 1020' FEL  
 NENE SEC. 5, T10S, R23E  
 Uintah County, UT

KBE:	5315'	API NUMBER:	43-047-30633
GLE:	5302'	LEASE NUMBER:	U-33433
TD:	8875'	WI:	100.0000%
PBTD:	8770'	NRI:	75.00000%

CASING: 17 1/2" hole  
 13 3/8 48# H-40 @ 151' (GL)  
 Cemented w/ 250 sx Class G cmt. TOC @ Surface.

12 1/4" hole  
 9 5/8" 36# K-55 @ 2502'  
 Cemented w/ 600 sx Pozmix & 100 sx RFC.

7.875" hole  
 5 1/2" 17# N-80 @ 8870'.  
 Cemented w/ 775 sx.

TUBING: 2.375" 4.7# J-55 tubing landed at 7555', Pkr @ 5520'

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft/ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	0.7462	0.0997	0.01776	0.7462	0.0997	0.01776
5 1/2" 17# N-80 csg	4.767	6280	7740	0.9764	0.1305	0.02324
9 5/8" 36# K-55 csg	8.765	2020	3520	3.2470	0.4340	0.0773
13 3/8 48# H-40 csg	12.559	770	1730	6.5962	0.8817	0.1570
<b>Annular Capacities</b>						
2.375" tbg. X 5 1/2" 17# csg				0.7462	0.0997	0.01776
5.5" csg X 9 5/8" 36# csg				2.0118	0.2691	0.0479
5.5" csg X 7.875 borehole				1.2978	0.1733	0.0309
9 5/8" csg X 13 3/8" 36# csg				2.8182	0.3766	0.0671
13 3/8" csg X 17 1/2" borehole				5.1954	0.6946	0.1237

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1237'
Bird's Nest	1469'
Mahogany	1840'
Btm Parachute	1887'
Wasatch	4191'
Mesaverde	6237'

USDW Elevation  
USDW Depth

3000' MSL  
1963' KBE

PERFORATIONS:

CIBP @ 8520' w/ 4 sx cmt

Formation	Date	Top	Btm	SPF	Status
Mesaverde	Jun-80	7420	7438	1	Open
Mesaverde	Jun-80	7468	7478	1	Open
Mesaverde	Jun-80	7564	7576	1	Open
Mesaverde	Jun-80	7620	7628	1	Open
Mesaverde	Jun-80	8300	8318	1	Open
Mesaverde	Jun-80	8393	8410	1	Open
Mesaverde	Jun-80	8570	8576	1	Sqz
Mesaverde	Jun-80	8590	8594	1	Sqz
Mesaverde	Jun-80	8608	8620	1	Sqz
Mesaverde	Jun-80	8658	8676	1	Sqz

WELL HISTORY:

- Spud Well on 12/29/79, TD'd 1/22/80
- Jun '80 - Perforated gross MV interval f/ 7420' – 8676'.
- Oct '00 – Sqz holes in csg, still holes in csg f/ 3200' – 4653' according to note in filed dated 10/21/01
- 

REMARKS:

- This well is being temporarily abandoned during drilling operations of twin well.

## SOUTHMAN CANYON 4-5 TEMPORARY ABANDONMENT PROCEDURE

### GENERAL

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- BRINE WITH A MINIMUM DENSITY OF AT LEAST 9 PPG MUST BE PLACED BETWEEN ALL PLUGS. 10 PPG IS ASSUMED IN THIS PROCEDURE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.

### T&A PROCEDURE

Note: An estimated 50 sx Class "G" cement needed for procedure

Note: Gyro survey has been run on this wellbore

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. RIH, RLS PKR. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL.
3. PLUG #1, ISOLATE MV PERFORATIONS (7420' – 8410'); RIH W/ 5 ½" CBP. SET @ ~7370'. PRESSURE TEST CASING TO 1000 PSI. SET A 25 SX CMT (28.63 CUFT) ON TOP OF PLUG. PUH ABOVE TOC (~7151').
4. CIRCULATE 10 PPG BRINE FROM TOC to 6340'.
5. PLUG #2, PROTECT MESAVERDE TOP (6237'): PUH TO 6340 AND SPOT 25 SX CMT (28.63, ~219') ACROSS MV TOP. POOH AND LAY DOWN TUBING. (TOC @ ~4629')
6. CUT/LOWER WELLHEAD TO GROUND LEVEL SO DRILLING RIG CAN MOVE ON TO DRILL TWIN WELL. LEAVE A MARKER ON WELLHEAD SO DRILLING CAN COME BACK TO RESURVEY ONCE THEY MOVE BACK ON.

ALM – 4/18/09

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-33433
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b>
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> SOUTHMAN CANYON 4-5
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1620 FSL 1020 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047306330000
<b>PHONE NUMBER:</b> 720 929-6007 Ext		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
<b>11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA</b>		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start:	<input type="checkbox"/> <b>ACIDIZE</b>	
<input checked="" type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion: 5/29/2009	<input type="checkbox"/> <b>ALTER CASING</b>	
<input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:	<input type="checkbox"/> <b>CHANGE TO PREVIOUS PLANS</b>	
<input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<input type="checkbox"/> <b>CHANGE TUBING</b>	
	<input type="checkbox"/> <b>CHANGE WELL STATUS</b>	
	<input type="checkbox"/> <b>COMMINGLE PRODUCING FORMATIONS</b>	
	<input type="checkbox"/> <b>DEEPEN</b>	
	<input type="checkbox"/> <b>FRACTURE TREAT</b>	
	<input type="checkbox"/> <b>OPERATOR CHANGE</b>	
	<input type="checkbox"/> <b>PLUG AND ABANDON</b>	
	<input type="checkbox"/> <b>PRODUCTION START OR RESUME</b>	
	<input type="checkbox"/> <b>RECLAMATION OF WELL SITE</b>	
	<input type="checkbox"/> <b>REPERFORATE CURRENT FORMATION</b>	
	<input type="checkbox"/> <b>SIDETRACK TO REPAIR WELL</b>	
	<input type="checkbox"/> <b>TUBING REPAIR</b>	
	<input type="checkbox"/> <b>VENT OR FLARE</b>	
	<input type="checkbox"/> <b>WATER SHUTOFF</b>	
	<input type="checkbox"/> <b>SI TA STATUS EXTENSION</b>	
	<input type="checkbox"/> <b>WILDCAT WELL DETERMINATION</b>	
	<input type="checkbox"/> <b>OTHER</b>	
	<input type="checkbox"/> <b>CASING REPAIR</b>	
	<input type="checkbox"/> <b>CHANGE WELL NAME</b>	
	<input type="checkbox"/> <b>CONVERT WELL TYPE</b>	
	<input type="checkbox"/> <b>NEW CONSTRUCTION</b>	
	<input type="checkbox"/> <b>PLUG BACK</b>	
	<input type="checkbox"/> <b>RECOMPLETE DIFFERENT FORMATION</b>	
	<input checked="" type="checkbox"/> <b>TEMPORARY ABANDON</b>	
	<input type="checkbox"/> <b>WATER DISPOSAL</b>	
	<input type="checkbox"/> <b>APD EXTENSION</b>	
	OTHER: _____	
<b>12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.</b> THE OPERATOR HAS PERFORMED THE TEMPORARILY ABANDON ON THE SUBJECT WELL LOCATION. THE OPERATOR HAS TEMPORARILY ABANDON THE WELL TO DRILL THE BONANZA 1023-5PS A TWIN WELL LOCATION. PLEASE REFER TO THE ATTACHED TEMPORARILY ABANDON CHRONOLOGICAL WELL HISTORY.		
<b>Accepted by the</b> <b>Utah Division of</b> <b>Oil, Gas and Mining</b> <b>FOR RECORD ONLY</b> June 22, 2009		
<b>NAME (PLEASE PRINT)</b> Sheila Wopsock	<b>PHONE NUMBER</b> 435 781-7024	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 6/18/2009	

# ROCKIES

## Operation Summary Report

Well: SOUTHMAN CANYON 4-5

Spud Date:

Project: UTAH

Site: UINTAH

Rig Name No: SWABBCO 1/1

Event: ABANDONMENT

Start Date: 5/26/2009

End Date: 5/29/2009

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: SOUTHMAN CANYON 4-5

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
5/26/2009	7:00 - 7:15	0.25	ABAND	48		P		JSA-SAFETY MEETING #1, DAY 1
	7:15 - 17:00	9.75	ABAND	30	A	P		ROAD RIG FROM NBU 33K TO LOC, MOVE AND RIG UP, 1200# ON TBG, 900# ON CSG, BLOW DN TO TK, BOPS LEAKING HYDRIC FLUID ON INSIDE OF BOP, CHANGE OUT BOP, PUMP 20 BBLS 2% KCL WTR DN TBG AND 50 BBLS DN CSG KILLING WELL, ND WH, NU BOPS, R/U FLOOR AND TBG EQUIP, TRY TO RELEASE PACKER W/ NO LUCK, SHUT WELL IN, S/DFN,
5/27/2009	7:00 - 7:15	0.25	ABAND	48		P		JSA-SAFETY MEETING #2, DAY 2
	7:15 - 18:00	10.75	ABAND	31	I	P		250# ON CSG, ZERO ON TBG, BLOWED WELL DN, WORK TBG W/ GETTING PACKER TO RELEASE, PULLED 2- STANDS W/ DRAGING 10 POINTS OVER, R/U SCAN TECH TBG INSPECTION, TOO H W/ 2-3/8" TBG W/ LAY DN 47 BAD JTS, W/ WELL KEEP BLOWING IN, LAY DN PACKER AND ON-OFF TOOL, WELL BLOWED IN, TRY BLOW WELL DN , PUMP 100 BBLS WTR DN CSG, SHUT WELL IN, 2000' STILL IN HOLE @ 70 JTS,, SDFN PUMP 260 BBLS WTR TODAY TO CONTROL WELL,
5/28/2009	7:00 - 7:15	0.25	ABAND	48		P		JSA-SAFETY MEETING #3, DAY 3
	7:15 - 8:30	1.25	ABAND	31	I	P		300# ON WELL, BLEED DN SLOW, TOO H W/ 2-3/8" TBG, R/D SCAN TECH, 237 JTS 2-3/8" TBG TOTAL, HAD 65 JTS BAD AND 172 JTS GOOD, 82 JTS YELLOW BAND, 90 JTS BLUE BAND,
	8:30 - 16:00	7.50	ABAND	34	I	P		R/U CASED HOLE WIRELINE, RIH W/ 5-1/2" GAUGE RING HAD TIGHT SPOT @ 3828' TO 3870', TAG FILL @ 7430', POOH, P/U 5-1/2" BAKER 8K CBP, RIH SET CBP @ 7347', POOH, RIH W/ CBL LOG, LOG FROM 7327' TO SURFACE W/ TOC AT 5850', BAD CSG & SOME CEMENT BOND FROM 4200' TO 2950', HAD TO PUMP 100 BBLS WTR DN CSG TO SUBDUE GAS BUBBLES IN ORDER TO LOG THROUG BAD CSG, R/D WIRELINE, SHUT WELL IN, SDFN,
5/29/2009	7:00 - 7:15	0.25	ABAND	48		P		JSA-SAFETY MEETING #4, DAY 4



## ROCKIES

## Operation Summary Report

Well: SOUTHMAN CANYON 4-5

Spud Date:

Project: UTAH

Site: UINTAH

Rig Name No: SWABBCO 1/1

Event: ABANDONMENT

Start Date: 5/26/2009

End Date: 5/29/2009

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: SOUTHMAN CANYON 4-5

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	7:15 - 11:30	4.25	ABAND	31	I	P		150# ON WELL, BLOWED DN TO TK, P/U 5-1/2" PACKER TIH W/ 2-3/8" TBG, SET PACKER @ 2906', ( TEST #1 ) 2906', PUMP DN CSG W/ PUMPING INTO @ 3 B/M @ 500 LBS, P/O TO 2623' ( TEST #2 ) 2623', PUMP DN CSG W/ PRESSURE UP TO 500#, RIH TO 2746', ( TEST #3 ) 2746', PUMP DN CSG W/ PRESSURE UP TO 500#, RIH TO 2809', ( TEST #4 ) 2809', PUMP DN CSG W/ CIRC BACK UP TBG, P/U TO 2778', ( TEST #5 ) 2778', PUMP DN CSG W/ PRESSURE UP TO 500#, RIH TO 2935', ( TEST #6 ) 2935', PUMP DN TBG W/ PRESSURE UP TO 500# W/ HAVE A SLOW LEAK OFF, 200# IN 10 MIN, RIH TO 3057', ( TEST #7 ) 3057', PUMP DN TBG W/ PRESSURE UP TO 500# W/ HAVE A SLOW LEAK OFF, 200# IN 10 MIN, RIH TO 3193', ( TEST #8 ) 3193', PUMP DN TBG W/ PRESSURE UP TO 500# AND HOLDING,  HAVE BAD CSG FROM @ 2778' TO 3193', AT 2809' PUMP INTO CSG AT 4 B/M 600#, P/O TO 2746', SET PACKER, OPEN SURFACE W/ 150# BLEED OFF IN 1 MIN, PUMP 130 BBLS 2% DN CSG W NO RETURN UP SURFACE, HOOK UP TO SURFACE PUMP 10 BBLS W/ PRESSURE UP TO 800# AND HOLDING, BLEED ALL PRESSURE OFF, TOOH W/ TBG, LAY DN PACKER, P/U 2-3/8" NOTCH COLLER TIH W/ 2-3/8" TBG TO @ 7347', R/U PRO PETRO CEMENTER,  ( PLUG #1 ) 7247', MIX AND PUMP 25 SACKS CEMENT W/ SPOTTING CEMENT FROM 7347' TO 7147', P/O LAY DN 8 JTS ON TRAILER, REVERSE OUT TBG W/ GETTING @ 1/2 BBLCEMENT BACK, SPOT 19 BBLS OF 10# BRAINE WTR, P/O LAY DN 22 JTS ON TRAILER,  ( PLUG #2 ) 6325', MIX AND PUMP 25 SACKS CEMENT W/ SPOTTING CEMENT FROM 6325' TO 6105', P/O LAY DN 9 JTS ON TRAILER, REVERSE OUT TBG W/ GETTING A TRACE CEMENT BACK, SPOTTED 78 BBLS 10 # BRAINE WTR, P/O LAY DN 104 JTS ON TRAILER, TOOH W/ TBG, R/UCASED HOLE WIRELINE, RIH W/ BAKER 8K CBP, SET CBP AT 2730', R/D WIRELINE,
	11:30 - 16:30	5.00	ABAND	31	I	P		
	16:30 - 17:30	1.00	ABAND	34	I	P		

## ROCKIES

## Operation Summary Report

Well: SOUTHMAN CANYON 4-5

Spud Date:

Project: UTAH

Site: UINTAH

Rig Name No: SWABBCO 1/1

Event: ABANDONMENT

Start Date: 5/26/2009

End Date: 5/29/2009

Active Datum: RKB @0.00ft (above Mean Sea Level)

UWI: SOUTHMAN CANYON 4-5

Date	Time Start-End	Duration (hr)	Phase	Code	Subco de2	P/U	MD From (ft)	Operation
	17:30 - 20:30	3.00	ABAND	31	I	P		<p>RIH W/ 2-3/8" TBG TO 2730', R/U PRO PETRO, PRESSURE TEST CSG TO 500# OK,</p> <p>( PLUG #3 ) 2730', MIX AND PUMP 25 SACKS CEMENT W/ SPOTTING CEMENT PLUG FROM 2730' TO 2510', P/O LAY DN 8 JTS ON TRAILER, REVERSE OUT TBG W/ GETTING TRACE OF CEMENT, SPOT 10 # BRAINE WTR FROM 2510' TO 2000', P/O LAY DN 16 JTS,</p> <p>( PLUG #4 ) 2000', MIX AND PUMP 25 SACKS CEMENT W/ SPOTTING CEMENT FROM 2000' TO 1780', P/O LAY DN 66 JTS ON TRAILER, TOP OFF CSG W/ WTR, R/D CEMENTER</p> <p>R/D TBG EQUIP, N/D BOPS, N/D TBG SPOOL, N/U WELL HEAD COVER. SDFWE.</p> <p>172 JTS 2-3/8" J-55 YELLOW AND BLUE BAND SENT IN TO PIPE YARD, 65 JTS 2-3/8" J-55 TBG WAS BAD SENT TO SCRAP PILE.</p>

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>			
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-33433			
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>  			
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b>  			
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> SOUTHMAN CANYON 4-5			
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1620 FSL 1020 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047306330000			
<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES		<b>COUNTY:</b> UINTAH			
<b>STATE:</b> UTAH					
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>				
<input checked="" type="checkbox"/> <b>NOTICE OF INTENT</b> Approximate date work will start: 4/30/2012  <input type="checkbox"/> <b>SUBSEQUENT REPORT</b> Date of Work Completion:  <input type="checkbox"/> <b>SPUD REPORT</b> Date of Spud:  <input type="checkbox"/> <b>DRILLING REPORT</b> Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input checked="" type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER         </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION            OTHER: <input style="width: 100px;" type="text"/> </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: <input style="width: 100px;" type="text"/>			
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator requests authorization to plug and abandon the subject well location. Plug and abandonment procedures are attached.					
<b>Accepted by the          Utah Division of          Oil, Gas and Mining</b>  <b>Date:</b> May 24, 2012 <b>By:</b> <u>Derek Quist</u>					
<b>NAME (PLEASE PRINT)</b> Gina Becker		<b>PHONE NUMBER</b> 720 929-6086			
<b>SIGNATURE</b> N/A		<b>TITLE</b> Regulatory Analyst II			
<b>DATE</b> 4/30/2012					

SOUTHMAN CANYON 4-5  
1620' FSL & 1020' FEL  
NENW SEC. 5, T10S, R23E  
Uintah County, UT

KBE: 5315' API NUMBER: 4304730633  
GLE: 5302' LEASE NUMBER: U-33433  
TD: 8875'  
PBSD: 1780' (CMT PLUG)

CASING : 17 1/2" hole  
13 3/8 48# H-40 @ 151' (GL)  
Cemented w/ 250 sx Class G cmt. TOC @ Surface.

12 1/4" hole  
9 5/8" 36# K-55 @ 2502'  
Cemented w/ 600 sx Pozmix & 100 sx RFC.

7.875" hole  
5 1/2" 17# N-80 @ 8870'.  
TOC @ 2650', CBL ran 5/28/09

PERFORATIONS: Mesaverde 7420' - 8676' (Plugged back w/ CIBP @ 7347', 5/28/09)

TUBING: No tubing in hole

Tubular/Borehole	Drift inches	Collapse psi	Burst Psi	Capacities		
				Gal./ft.	Cuft./ft.	Bbl./ft.
2.375" 4.7# J-55 tbg.	0.7462	0.0997	0.01776	0.7462	0.0997	0.01776
5 1/2" 17# N-80 <u>csg</u>	4.767	6280	7740	0.9764	0.1305	0.02324
9 5/8" 36# K-55 <u>csg</u>	8.765	2020	3520	3.2470	0.4340	0.0773
13 3/8 48# H-40 <u>csg</u>	12.559	770	1730	6.5962	0.8817	0.1570
<b>Annular Capacities</b>						
2.375" tbg. X 5 1/2" 17# <u>csg</u>				0.7462	0.0997	0.01776
5.5" <u>csg</u> X 9 5/8" 36# <u>csg</u>				2.0118	0.2691	0.0479
5.5" <u>csg</u> X 7.875 borehole				1.2978	0.1733	0.0309
9 5/8" <u>csg</u> X 13 3/8" 36# <u>csg</u>				2.8182	0.3766	0.0671
9 5/8" <u>csg</u> X 12 1/4" borehole				2.3436	0.3132	0.0558
13 3/8" <u>csg</u> X 17 1/2" borehole				5.1954	0.6946	0.1237

#### GEOLOGIC INFORMATION:

Formation	Depth to top, ft.
Uinta	Surface
Green River	1237'
Bird's Nest	1469'
Mahogany	1840'
Base of Parachute	1887'
Wasatch	4191'
Mesaverde	6237'

#### Tech. Pub. #92 Base of USDW's

USDW Elevation	~3000' MSL
USDW Depth	~1963' KBE

**SOUTHMAN CANYON 4-5 PLUG & ABANDONMENT PROCEDURE**

**GENERAL**

- H<sub>2</sub>S MAY BE PRESENT. CHECK FOR H<sub>2</sub>S AND TAKE APPROPRIATE PRECAUTIONS.
- CEMENT QUANTITIES BELOW ASSUME NEAT CLASS G, YIELD 1.145 CUFT./SX. IF A DIFFERENT PRODUCT IS USED, WELLSITE PERSONNEL ARE RESPONSIBLE FOR CORRECTING QUANTITIES TO YIELD THE STATED SLURRY VOLUME. WHEN SQUEEZING, INCLUDE 10% EXCESS PER 1000' OF DEPTH.
- TREATED FRESH WATER WILL BE PLACED BETWEEN ALL PLUGS INSTEAD OF BRINE.
- ALL DISPLACEMENT FLUID SHALL CONTAIN CORROSION INHIBITOR AND BIOCIDES. PREMIX 5 GALLONS PER 100 BBLS FLUID.
- NOTIFY BLM 24 HOURS BEFORE MOVING ON LOCATION.
- A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.

**PROCEDURE**

**Note: An estimated 417 sx Class "G" cement needed for procedure**

**Note: Gyro was run on this well 8/12/08**

**Note: Wellbore has existing CIBP's & CMT plugs to 1780'. Procedure will continue uphole from that point.**

1. MIRU. KILL WELL AS NEEDED. ND WH, NU AND TEST BOPE.
2. PULL TBG & LD SAME. RU WIRELINE AND MAKE A GAUGE RING RUN TO CHECK FOR FILL. A GPS READING WILL NEED TO BE TAKEN AT THE WELL SITE AND RECORDED IN OPENWELLS. PLEASE TAKE IT TO THE 6TH DECIMAL PLACE.
3. **PLUG #5, PROTECT TOP OF BIRD'S NEST (~1469') & TOP OF GREEN RIVER (1237'):** RIH W/ WIRELINE & PERFORATE @ ~1570' W/ 4 SPF. POOH. PU & RIH W/ 4 ½" CICR, SET @ ~1130'. RIH W/ TBG & STING INTO CICR & SQUEEZE PERFS W/ APPROXIMATELY **274 SX / 55.9 BBL / 313.6 CUFT.** OR SUFFICIENT VOLUME TO FILL CSG & ANNULUS TO 1130'. STING OUT OF CICR AND SPOT **6 SX / 1.2 BBL / 6.5 CUFT.** CMT ON TOP OF CICR. BRK CIRC W/ FRESH WATER. POOH ABOVE TOC (~1080'). REVERSE CIRCULATE W/ TREATED FRESH WATER.
4. **PLUG #6, PROTECT SURFACE CSG SHOE (164' KB) & FILL SURFACE HOLE:** POOH. RIH W/ WIRELINE, PERFORATE @ 220' W/ 4 SPF. POOH W/ WIRELINE. RU CEMENT SERVICE TO PROD CSG. PUMP **137 SX / 27.9 BBL / 156.8 CUFT** OR SUFFICIENT VOLUME TO FILL ANNULUS AND CASING TO SURFACE.
5. CUT OFF WELLHEAD AND INSTALL MARKER PER BLM GUIDELINES.
6. RDMO. TURN OVER TO OPERATIONS FOR SURFACE REHAB. SURFACE RECLAMATION TO BE PERFORMED IN ACCORDANCE TO REGULATIONS.

ALM 4/24/12



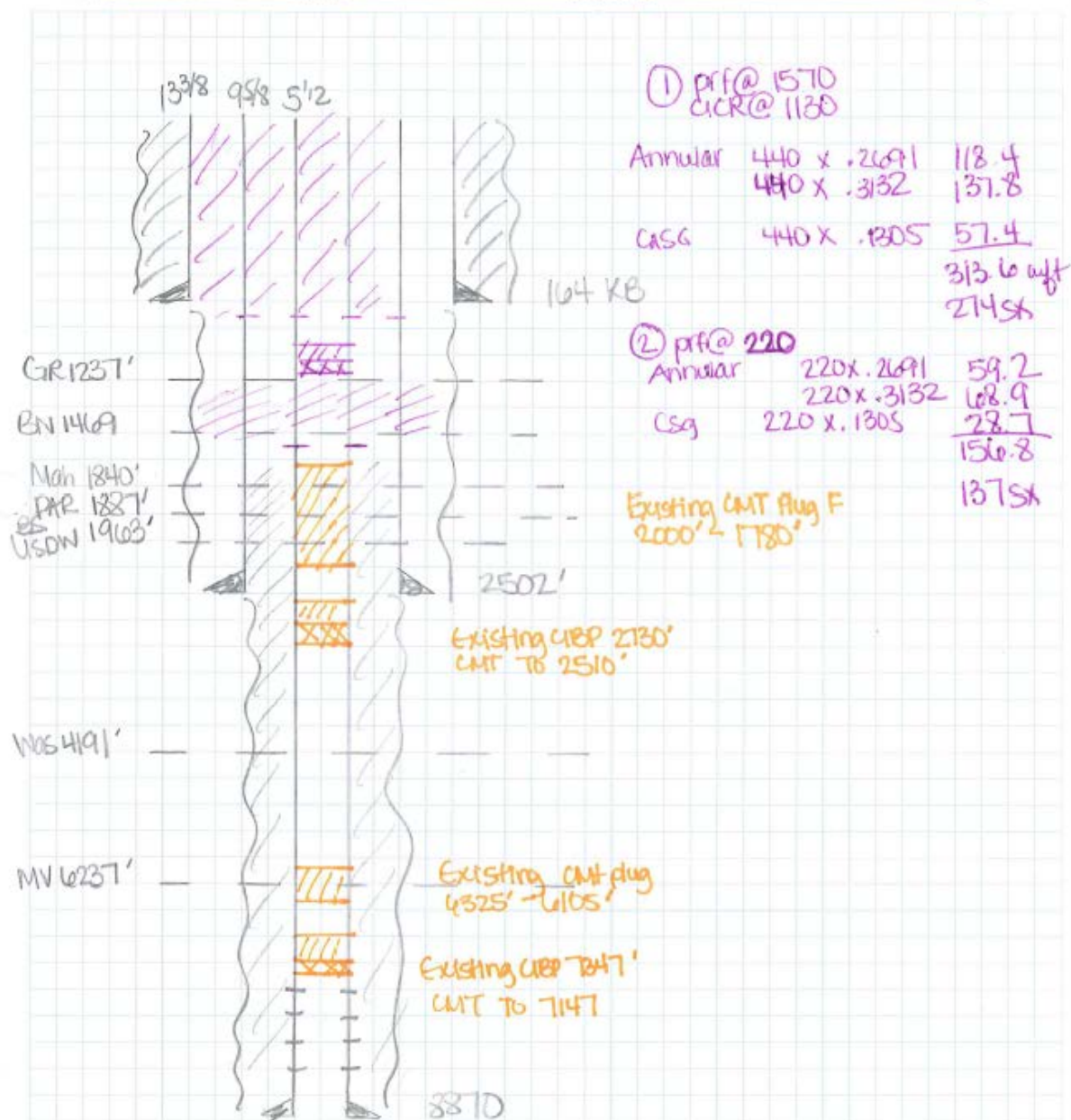
APC 206 2/01

## PROJECT COMPUTATIONS

NO. \_\_\_\_\_ OF \_\_\_\_\_ SHEETS

DATE SNC 4-5 PROJECT \_\_\_\_\_ JOB NO. \_\_\_\_\_

BY \_\_\_\_\_ CHK.: \_\_\_\_\_ SUBJECT \_\_\_\_\_





<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> U-33433
<b>1. TYPE OF WELL</b> Gas Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> KERR-MCGEE OIL & GAS ONSHORE, L.P.		<b>7. UNIT or CA AGREEMENT NAME:</b> PONDEROSA
<b>3. ADDRESS OF OPERATOR:</b> P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		<b>8. WELL NAME and NUMBER:</b> SOUTHMAN CANYON 4-5
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1620 FSL 1020 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NESE Section: 05 Township: 10.0S Range: 23.0E Meridian: S		<b>9. API NUMBER:</b> 43047306330000
<b>PHONE NUMBER:</b> 720 929-6511		<b>9. FIELD and POOL or WILDCAT:</b> NATURAL BUTTES
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 11/13/2012	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input checked="" type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION	
<input type="checkbox"/> DRILLING REPORT Report Date:	OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  The operator has concluded the plug and abandonment operations on the subject well location on 11/13/2012. This well was plugged in order to expand and drill the Bonanza 1023-51 Pad wells. Please see the attached chronological well history for details and updated latitude and longitude locations. Thank you.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> January 16, 2013		
<b>NAME (PLEASE PRINT)</b> Jaime Scharnowske	<b>PHONE NUMBER</b> 720 929-6304	<b>TITLE</b> Regulatory Analyst
<b>SIGNATURE</b> N/A	<b>DATE</b> 1/15/2013	

US ROCKIES REGION  
**Operation Summary Report**

Well: SOUTHMAN CANYON 4-5

Spud Date:

Project: UTAH-UINTAH

Site: SOUTHMAN CANYON 4-5

Rig Name No: MILES 2/2

Event: ABANDONMENT

Start Date: 11/9/2012

End Date: 11/13/2012

Active Datum: RKB @0.00usft (above Mean Sea Level)

UWI: SOUTHMAN CANYON 4-5

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (usft)	Operation
11/9/2012	7:00 - 7:30	0.50	ABANDP	48		P		ROADING RIG
	7:30 - 15:00	7.50	ABANDP	46	E			RIG DWN ON CICE 194, ROAD RIG TO SC 4-5, LOCATE BURIED WH, MOVE 2 FLOW LINES FROM ON TOP OF WH TO GET ACCESS, DIG OUT WH, READY TO NUWH, RIG UP ON MONDAY, SDFWE
11/12/2012	7:00 - 7:30	0.50	ABANDP	48		P		LOCK OUT/ TAG OUT
	7:30 - 1:00		ABANDP	51	D	P		SET PLUGS IN BON 1023-5I4BS, NDWH, LOCK OUT/ TAG OUT 3 WELLS, NU TBG HEAD ON SC 4-5, NU BOP'S, LEVEL GRD, SPOT T-SEAL, SPOT RIG, RU, SDFN
11/13/2012	7:00 - 7:30	0.50	ABANDP	48		P		CEMENTING
	7:30 - 16:30	9.00	ABANDP	51	D	P		PSI TEST CSG TO 500#, RU CUTTERS, TIH TO 1680' TAG TOC, POOH, PU PERF GUN, TIH PERF AT 1570', POOH , PU CICR TIH TO 1500', (AT BLM REQUEST) SET CIRC, RD CUTTERS, TIH TBG TO 1500', STING IN TO CICR, PUMP 274 BBLS, CEMENT, SET 2 BBLS ON CICR, PERF 220', CEMENT TO SURFACE. ALL CEMENT IS CLASS G, 4.9 GW/SX, 15.8# DENISTY, 1.145 YIELD, PLUG# 1 SQUEEZE 5 BBLS FRESH, 274 SX, 55.9 BBLS, DISPLACE WITH 1 BBL FRESH WTR, 3.1 BBL T-MAC, UN STING, PUMP 10 SX, 2 BBLS ON TOP OF CICR, DISPLACE WITH 1 BBL FRESH, 2 BBLS T-MAC  PLUG# 2 PERF 220' PUMP DWN 5 1/2" CSG UP ANNULUS TO SURFACE, 90 SX, 18.3 BBLS CUT BRADAN HD OFF, TOP OFF CEMENT IN CSG, CAP WELL, BACK FILL HOLE, HOOK UP FLOW LINES, PULL PLUGS FROM NBU 1023-5I4BS, REINSTALL WH. RDMO TO NBU 230A  N 39.97511W-109.34446 ELEV 5278'